

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2001年4月12日 (12.04.2001)

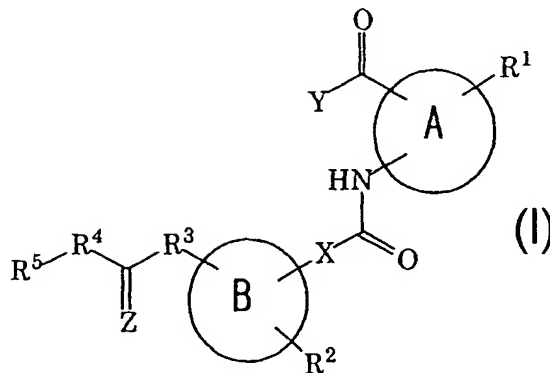
PCT

(10) 国際公開番号
WO 01/25190 A1

- (51) 国際特許分類: C07C 271/28, 271/60, 275/42, 335/22, C07D 317/66, 307/66, 333/36, 307/52, 333/40, 295/12, 317/68, 319/18, 213/80, 307/68, 213/75, 211/58, 211/46, 213/75, 213/40, 309/14, A61K 31/245, 31/36, 31/366, 31/341, 31/381, 31/351, 31/5375, 31/443, 31/4402, 31/445, 31/4406, 31/4409, 31/357, A61P 43/00, 9/10, 3/10, 17/00
- (72) 発明者; および
(75) 発明者/出願人 (米国についてのみ): 荻田晴久 (OGITA, Haruhisa) [JP/JP], 磯部義明 (ISOBE, Yoshiaki) [JP/JP], 高久春雄 (TAKAKU, Haruo) [JP/JP]; 〒335-8502 埼玉県戸田市新曽南三丁目17番35号 株式会社 ジャパンエナジー内 Saitama (JP).
- (21) 国際出願番号: PCT/JP00/06667
- (74) 代理人: 平木祐輔, 外 (HIRAKI, Yusuke et al.); 〒105-0001 東京都港区虎ノ門一丁目17番1号 虎ノ門5森ビル3F Tokyo (JP).
- (22) 国際出願日: 2000年9月27日 (27.09.2000)
- (81) 指定国 (国内): AU, CA, JP, NZ, US.
- (25) 国際出願の言語: 日本語
- (84) 指定国 (広域): ヨーロッパ特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願平11/281271 1999年10月1日 (01.10.1999) JP
特願平11/290789 1999年10月13日 (13.10.1999) JP
- 添付公開書類:
— 国際調査報告書
- (71) 出願人 (米国を除く全ての指定国について): 株式会社 ジャパンエナジー (JAPAN ENERGY CORPORATION) [JP/JP]; 〒105-8407 東京都港区虎ノ門二丁目10番1号 Tokyo (JP).
- 2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: NOVEL DIARYLAMIDE DERIVATIVES AND USE THEREOF AS MEDICINES

(54) 発明の名称: 新規なジアリールアミド誘導体及びその医薬用途



is oxygen or sulfur.

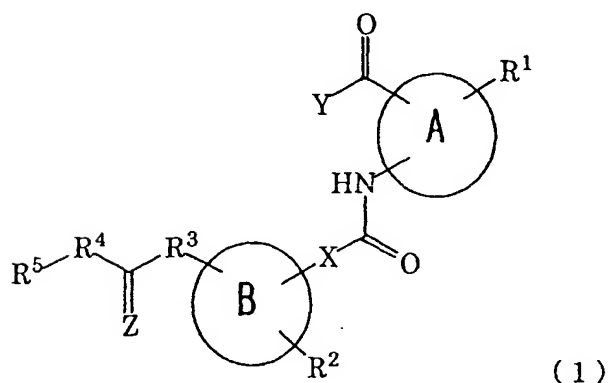
(57) Abstract: Diarylamide derivatives represented by general formula (I) or salts thereof, and pharmaceutical compositions containing the derivatives or the salts as the active ingredient, wherein A and B are each an aromatic ring such as benzene ring; COY and NHCOX are adjacent to each other and bonded to carbon atoms constituting A; X is alkylene, alkyleneoxy, or a single bond; Y is alkyl, alkoxy, hydroxyl, or optionally substituted amino; R¹ is hydrogen, halogeno, hydroxyl, alkyl, or the like, with the proviso that when A is a benzene ring, R¹ is not hydrogen; R² is hydrogen, halogeno, hydroxyl, alkyl, or the like; R³ and R⁴ are each optionally substituted imino, oxygen, or a single bond; R⁵ is alkyl, optionally substituted phenyl, or the like; and Z

[続葉有]



(57) 要約:

本発明は、式 (1) :



(式中、A 及び B はベンゼン環等の芳香環；COY と NHCOX は隣接して存在し、芳香環 A 内でこれらの置換基が結合しているのは炭素であり；X はアルキレン、アルキレンオキシ又は単結合；Y はアルキル、アルコキシ、水酸基又は置換もしくは非置換のアミノ基；R¹ は水素、ハロゲン、水酸基、アルキル等であり、但し A がベンゼン環の場合、R¹ は水素でなく；R² は水素、ハロゲン、水酸基、アルキル等；R³ 及び R⁴ は置換もしくは非置換のイミノ基、酸素原子又は単結合；R⁵ はアルキル又は置換もしくは非置換のフェニル等；Z は酸素又はイオウである。) で表されるジアリールアミド誘導体又はその塩、並びに該化合物を有効成分とする薬学的組成物に関する。

明 細 書

新規なジアリールアミド誘導体及びその医薬用途

技術分野

本発明は、医薬品として有用なジアリールアミド誘導体、更に詳しくは、異常な細胞増殖に対する阻害作用を有するジアリールアミド誘導体及びその薬学的に許容される塩に関するものである。

背景技術

血管平滑筋細胞などの種々の細胞の増殖においては、インスリン、上皮細胞成長因子あるいは血小板由来成長因子 (platelet-derived growth factor、以下 PDGF と略す) などの成長因子が重要な役割を果たしており、中でも PDGF は強力な細胞増殖因子として細胞の増殖・分化の調節に関わっていることが知られている (Cell, 46, 155 (1986))。例えば、経皮的冠動脈形成術や冠動脈バイパス形成術後の再狭窄、メサンジウム細胞増殖性腎炎などの疾患においては、病態部位の細胞に PDGF や PDGF 受容体の異常産生が生じており、これらの疾患においては病態箇所での細胞の異常増殖が観察される。

トラニラスト ((E)-2-(3,4-ジメトキシシンナモイルアミノ)安息香酸) は PDGF による血管平滑筋細胞の増殖を阻害し、臨床試験においても経皮的冠動脈形成術後の再狭窄を防止することが示されている (Am. Heart. J., 134 (4), 712 (1997))。しかしながら、トラニラストの *in vitro* 試験における血管平滑筋細胞増殖抑制作用は弱いため (WO 97/09301 では自然発症高血圧ラット胸部大動脈血管平滑筋細胞増殖抑制作用において $IC_{50}=231\mu M$ と記載されている。)、臨床試験においては有効性を発揮する投与量において肝毒性が高頻度に現れるという問題点がある。

メサンジウム細胞増殖性腎炎は腎臓のメサンジウム細胞が異常増殖するために起こる疾患であり、特開平 10-306024 号公報にトラニラストが増殖阻害作用を示すことが報告されている。

また WO 97/29744 や Br. J. Pharmacol., 122(6), 1061-1066 (1997) において、トラニラストは培養ヒト皮膚微小血管内皮細胞の血管内皮増殖因子による増殖を阻害し、マウス in vivo 血管新生モデルにおいても用量依存的に血管新生を阻害することで増殖性糖尿病性網膜症、老人性円板状黄斑部変性症、未熟児性網膜症、鎌状赤血球網膜症、網膜静脈閉塞症、角膜移植又は白内障手術に伴う血管新生、血管新生緑内障、虹彩ルベオーシス、リウマチ性関節炎、乾癬、浮腫性硬化症、各種腫瘍、粥状動脈硬化単外膜の異常毛細血管網、コンタクトレンズ長期装用による角膜内の血管新生などの血管新生性疾患の改善に有用であると報告されている。

この他、白血病、癌、乾癬、糸球体疾患、臓器線維症、関節リウマチ、動脈硬化症、心筋梗塞、脳梗塞、糖尿病などの疾患や病態においても、病態部位に PDGF や PDGF 受容体の異常産生が生じている。従来公知の PDGF で惹起される細胞増殖の阻害剤として、J. Med. Chem., 37, 2627 (1994) で示される 3-アリールキノリン誘導体、Cancer Research, 54, 6106 (1994) で示されるキノキサリン誘導体、WO 92/20642 で示されるビスモノ-及び二環式アリール及びヘテロアリール誘導体などが挙げられる。

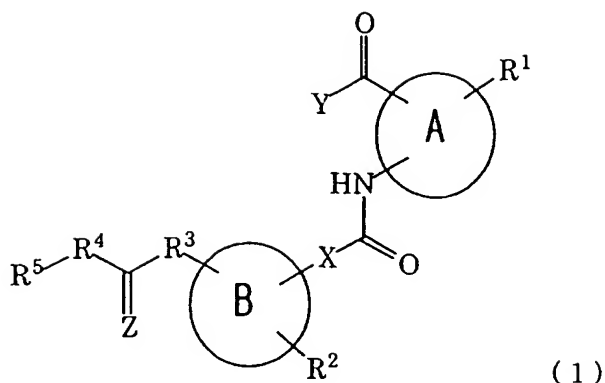
発明の開示

前記状況に鑑み、本発明の目的は、血管平滑筋細胞、血管内皮細胞、表皮細胞などの増殖を、より低濃度で阻害する薬物を探索することにより、動脈硬化症、血管再閉塞疾患、腎炎、糖尿病性網膜症、乾癬、老人性円板状黄斑部変性症などの細胞増殖性疾患の予防又は治療に対して有用な新規化合物又はその薬学的に許容される塩を提供することにある。

かかる背景から、本発明者らは、前記の目的を達成するために、鋭意研究を重ねた結果、特定の構造を有するジアリールアミド誘導体が細胞増殖を低濃度で阻害することを見だし、本発明を完成するに至った。

即ち、本発明は以下の発明を包含する。

(i) 一般式 (1) :



(式中、A はベンゼン環、ピリジン環、チオフェン環、フラン環及びナフタレン環から選択される芳香環であり；

COY で表される置換基と NHCX で表される置換基は隣接して存在し、該芳香環内でこれらの置換基が結合しているのは炭素原子であり；

X は炭素数 1～4 のアルキレン基、炭素数 1～4 のアルキレンオキシ基又は単結合であり；

Y は炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、水酸基及び N(R⁶) (R⁷) から選択され、R⁶ 及び R⁷ は同一でも異なってもよく、それぞれ水素原子、炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、炭素数 3～9 のシクロアルキル基、炭素数 4～9 のシクロアルキル-アルキル基、炭素数 5～8 のモルホリノ-N-アルコキシ基、炭素数 3～9 のアルケニル基、フェニル基、ピリジル基及びアラルキル基から選択され、該フェニル基及びピリジル基、並びにアラルキル基の芳香環は炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基及びハロゲン原子から選択される 1～3 個の置換基で置換されていてもよく；

R¹ は水素原子、ハロゲン原子、水酸基、炭素数 1～4 のアルキル基、炭素数 3～9 のシクロアルキル基、炭素数 4～9 のシクロアルキル-アルキル基、炭素数 1～4 のアルコキシ基、炭素数 3～9 のシクロアルキルオキシ基、炭素数 4～9 のシクロアルキル-アルコキシ基、アラルキルオキシ基、炭素数 1～4 のアシル基及びニトロ基から選択され、A の任意の位置に 1～4 個存在しており、それぞれ同一でも異なってもよく、また R¹ が 2 個存在する場合には両者が一緒になって炭素数 1～4 のアルキレンジオキシ基を形成してもよく、但し A がベンゼ

ン環の場合、 R^1 は水素原子でなく；

Bはベンゼン環、ピリジン環又はチオフェン環であり；

R^2 は水素原子、ハロゲン原子、水酸基、炭素数1～4のアルキル基、炭素数1～4のアルコキシ基、炭素数1～4のアルキルチオ基、炭素数1～4のヒドロキシアルコキシ基、炭素数3～9のシクロアルキルオキシ基、炭素数4～9のシクロアルキル-アルコキシ基、アラルキルオキシ基、炭素数1～4のアシル基、シアノ基、炭素数5～8のモルホリノ-N-アルコキシ基、及び炭素数1～4のアルキル基でモノ又はジ置換されていてもよいアミノ基から選択される置換基であり、任意の位置に1～4個存在しており、それぞれ同一でも異なってもよく；

R^3 及び R^4 はYが炭素数1～4のアルキル基以外の場合、酸素原子又は NR^8 であり、 R^8 はそれぞれ水素原子及び炭素数1～4のアルキル基から選択され、それぞれ同一でも異なってもよく、またYが炭素数1～4のアルキル基の場合、 R^3 は酸素原子又は NR^8 、 R^4 は酸素原子、 NR^8 又は単結合であり；

R^5 は炭素数1～8のアルキル基、炭素数2～4のアルケニル基、炭素数3～9のシクロアルキル基、炭素数4～9のシクロアルキル-アルキル基、テトラヒドロピラニル基、アラルキル基、インダニル基、芳香族アシル基、フェニル基、ピリジル基、フリル基及びチエニル基から選択され、該アラルキル基、インダニル基及び芳香族アシル基の芳香環、フェニル基、ピリジル基、フリル基並びにチエニル基はハロゲン原子、水酸基、シアノ基、炭素数1～4のアルキル基、炭素数1～4のアルコキシ基、炭素数1～4のアルキルチオ基、炭素数2～5のアルコキシカルボニル基、カルボキシ基、炭素数1～4のアシル基、芳香族アシル基、炭素数1～4のアシロキシ基、トリフルオロメチル基、フェニル基、フェノキシ基、フェニルチオ基、ピリジル基、モルホリノ基、アラルキルオキシ基、ニトロ基、メチルスルホニル基、アミノスルホニル基、及び炭素数1～4のアルキル基又は炭素数1～4のアシル基でモノ又はジ置換されていてもよいアミノ基から選択される1～5個の置換基を有していてもよく、また隣接する2個の置換基が両者で炭素数1～4のアルキレンジオキシ基となって環を形成してもよく；

Zは酸素原子又はイオウ原子である。)

で表されるジアリールアミド誘導体又はその薬学的に許容される塩。

(ii) 一般式 (1) において、X が炭素数 1～4 のアルキレン基である前記 (i) に記載の化合物。

(iii) 一般式 (1) において、X が単結合である前記 (i) に記載の化合物。

(iv) 一般式 (1) において、A 及び B が同一でも異なってもよく、それぞれベンゼン環又はピリジン環である前記 (i)～(iii) のいずれかに記載の化合物。

(v) 一般式 (1) において、A 及び B がベンゼン環である前記 (i)～(iv) のいずれかに記載の化合物。

(vi) 一般式 (1) において、Y が無置換のアミノ基、水酸基又は炭素数 1～4 のアルコキシ基である前記 (i)～(v) のいずれかに記載の化合物。

(vii) 一般式 (1) において、Y が炭素数 1～4 のアルキル基である前記 (i)～(v) のいずれかに記載の化合物。

(viii) 一般式 (1) において、R² が水素原子又は炭素数 1～4 のアルコキシ基である前記 (i)～(vii) のいずれかに記載の化合物。

(ix) 一般式 (1) において、R⁵ がベンジル基、フェニル基、ピリジル基又はピリジルメチル基であり、該ベンジル基及びピリジルメチル基の芳香環、並びにフェニル基及びピリジル基はハロゲン原子、炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、炭素数 2～5 のアルコキシカルボニル基、炭素数 1～4 のアシル基、トリフルオロメチル基、炭素数 1～4 のアルキルチオ基、及び炭素数 1～4 のアルキル基で置換されたアミノ基から選択される 1～5 個の置換基を有していてもよい前記 (i)～(viii) のいずれかに記載の化合物。

(x) 一般式 (1) において、R⁵ が炭素数 1～4 のアルキル基、炭素数 2～4 のアルケニル基又は炭素数 3～6 のシクロアルキル基である前記 (i)～(ix) のいずれかに記載の化合物。

(xi) 一般式 (1) において、R³ 及び R⁴ が NH である前記 (i)～(x) のいずれかに記載の化合物。

(xii) 一般式 (1) において、R³ が NH、R⁴ が酸素原子である前記 (i)～(x) のいずれかに記載の化合物。

(xiii) 前記 (i)～(xii) のいずれかに記載の化合物又はその薬学的に許容される塩を有効成分とする薬学的組成物。

(xiv) 前記 (i) ~ (xii) のいずれかに記載の化合物又はその薬学的に許容される塩を有効成分とする血管平滑筋細胞の異常増殖を原因とする疾患の予防又は治療に使用可能な薬学的組成物。

(xv) 前記 (i) ~ (xii) のいずれかに記載の化合物又はその薬学的に許容される塩を有効成分とする経皮的冠動脈形成術もしくは冠動脈バイパス形成術後の再狭窄又はアテローム性動脈硬化症の予防又は治療に使用可能な薬学的組成物。

(xvi) 前記 (i) ~ (xii) のいずれかに記載の化合物又はその薬学的に許容される塩を有効成分とするメサングウム細胞の異常増殖を原因とする疾患の予防又は治療に使用可能な薬学的組成物。

(xvii) 前記 (i) ~ (xii) のいずれかに記載の化合物又はその薬学的に許容される塩を有効成分とする血管内皮細胞又は表皮細胞の異常増殖を原因とする疾患の予防又は治療に使用可能な薬学的組成物。

(xviii) 前記 (i) ~ (xii) のいずれかに記載の化合物又はその薬学的に許容される塩を有効成分とする乾癬、糖尿病性網膜症又は老人性円板状黄斑部変性症の予防又は治療に使用可能な薬学的組成物。

本発明の化合物を更に詳細に説明する。本発明の化合物は前記一般式 (1) で示されるものであり、前記式 (1) 中の R^1 、 R^2 、 R^3 、 R^4 、 R^5 、X、Y、Z、環 A 及び環 B は前記の定義のとおりである。本明細書における下記の置換基を更に具体例を挙げて詳細に説明すると次のとおりである。

ハロゲン原子：フッ素、塩素、臭素、ヨウ素を例示することができる。

炭素数 1 ~ 4 のアルキル基：メチル基、エチル基、プロピル基、イソプロピル基、ブチル基、イソブチル基、s-ブチル基、t-ブチル基を例示することができる。

炭素数 3 ~ 9 のシクロアルキル基：シクロプロピル基、シクロブチル基、シクロペンチル基、シクロヘキシル基、シクロヘプチル基などを例示することができる。

炭素数 4 ~ 9 のシクロアルキル-アルキル基：シクロペンチルメチル基、シクロヘキシルメチル基、シクロペンチルエチル基、シクロヘキシルエチル基などを例示することができる。

炭素数 2 ~ 4 のアルケニル基：アリル基、ビニル基、イソプロペニル基、1-プロペニル基、2-プロペニル基、1-ブテニル基、2-ブテニル基、3-ブテニル基

ル基、1-メチル-1-プロペニル基、2-メチル-1-プロペニル基、1-メチル-2-プロペニル基、2-メチル-2-プロペニル基などを例示することができる。

炭素数3～9のアルケニル基：アリル基、イソプロペニル基、1-プロペニル基、2-プロペニル基、1-ブテニル基、2-ブテニル基、3-ブテニル基、1-メチル-1-プロペニル基、2-メチル-1-プロペニル基、1-メチル-2-プロペニル基、2-メチル-2-プロペニル基、1-ペンテニル基、3-ペンテニル基、4-ペンテニル基、3-メチル-2-ブテニル基、ヘキセニル基、ヘプテニル基、オクテニル基、ノネニル基などを例示することができる。

炭素数1～4のアルコキシ基：メトキシ基、エトキシ基、プロポキシ基、イソプロポキシ基、ブトキシ基、イソブトキシ基、s-ブトキシ基、t-ブトキシ基を例示することができる。

炭素数3～9のシクロアルキルオキシ基：シクロプロポキシ基、シクロブトキシ基、シクロペントキシ基、シクロヘキシルオキシ基、シクロヘプチルオキシ基などを例示することができる。

炭素数4～9のシクロアルキル-アルコキシ基：シクロペンチルメトキシ基、シクロヘキシルメトキシ基、シクロペンチルエトキシ基、シクロヘキシルエトキシ基などを例示することができる。

アラルキルオキシ基：ベンジルオキシ基、1-ナフチルメトキシ基、2-ナフチルメトキシ基、2-フェニルエトキシ基、1-フェニルエトキシ基、3-フェニルプロポキシ基、4-フェニルブトキシ基、5-フェニルペントキシ基、6-フェニルヘキシルオキシ基などを例示することができる。

炭素数1～4のアシル基：ホルミル基、アセチル基、プロピオニル基、ブチリル基などを例示することができる。

芳香族アシル基：ベンゾイル基、トルオイル基、ナフトイル基などを例示することができる。

炭素数1～4のアルキル基でモノ置換されたアミノ基：メチルアミノ基、エチルアミノ基、プロピルアミノ基、イソプロピルアミノ基、ブチルアミノ基、イソブチルアミノ基、s-ブチル基、t-ブチルアミノ基を例示することができる。

炭素数 1～4 のアルキル基でジ置換されたアミノ基：ジメチルアミノ基、ジエチルアミノ基、ジプロピルアミノ基、ジブチルアミノ基などを例示することができる。

炭素数 2～5 のアルコキシカルボニル基：メトキシカルボニル基、エトキシカルボニル基、プロポキシカルボニル基、イソプロポキシカルボニル基、ブトキシカルボニル基、イソブトキシカルボニル基、s-ブトキシカルボニル基、t-ブトキシカルボニル基を例示することができる。

炭素数 1～4 のアルキレンジオキシ基：メチレンジオキシ基、エチレンジオキシ基などを例示することができる。

炭素数 1～4 のヒドロキシアルコキシ基：ヒドロキシメトキシ基、ヒドロキシエトキシ基、ヒドロキシプロポキシ基、ヒドロキシブトキシ基などを例示することができる。

炭素数 5～8 のモルホリノーN-アルコキシ基：モルホリノーN-メトキシ基、モルホリノーN-エトキシ基、モルホリノーN-プロポキシ基、モルホリノーN-ブトキシ基などを例示することができる。

アラルキル基（複素芳香族置換アルキル基を含む）：ベンジル基、1-ナフチルメチル基、2-ナフチルメチル基、2-フェニルエチル基、1-フェニルエチル基、3-フェニルプロピル基、4-フェニルブチル基、5-フェニルペンチル基、6-フェニルヘキシル基、メチルベンジル基、1-メチルフェネチル基、ジメチルベンジル基、1-ジメチルフェネチル基、1-エチルベンジル基、ジエチルベンジル基、チエニルメチル基、チエニルエチル基、フリルメチル基、フリルエチル基、ピリジルメチル基、ピリジリエチル基などを例示することができる。

炭素数 1～4 のアルキレン基：メチレン基、エチレン基、トリメチレン基、テトラメチレン基などを例示することができる。

炭素数 1～4 のアルキレンオキシ基：メチレンオキシ基、エチレンオキシ基、トリメチレンオキシ基、テトラメチレンオキシ基などを例示することができる。

炭素数 1～4 のアシロキシ基：アセチルオキシ基、プロピオニルオキシ基、ブチリルオキシ基などを例示することができる。

炭素数 1～4 のアルキルチオ基：メチルチオ基、エチルチオ基、プロピルチオ基、

イソプロピルチオ基、ブチルチオ基、イソブチルチオ基、s-ブチルチオ基、t-ブチルチオ基などを例示することができる。

前記一般式(1)で表される本発明のジアリールアミド誘導体においてAで示される芳香環は前記したとおりであるが、その中でもベンゼン環及びピリジン環が好ましく、ベンゼン環が更に好ましい。

Xで示される基としては、単結合(直接結合)、メチレン基及びエチレン基が好ましく、特にはエチレン基が好ましい。

Yで示される置換基は前記したとおりであるが、その中でもアミノ基、水酸基、炭素数1~4のアルコキシ基及び炭素数1~4のアルキル基が好ましく、アミノ基、メトキシ基、エトキシ基及びメチル基が更に好ましい。

R¹で示される置換基は前記したとおりであるが、その中でも炭素数1~4のアルコキシ基、ニトロ基及びハロゲン原子から選択される置換基が1又は2個存在することが好ましく、これらの置換基はメトキシ基、エトキシ基、メチレンジオキシ基又はフッ素であることが更に好ましい。R¹の結合位置は、A環がベンゼン環の場合は、NHCOXで表される置換基に対して4位又は5位のモノ置換、あるいは4位と5位のジ置換が好ましい。

Bで示される環は前記したとおりであるが、その中でもベンゼン環が好ましい。

R²としては、水素原子、又は炭素数1~4のアルコキシ基のモノ置換が好ましい。

R³及びR⁴としては、R³及びR⁴がともにNHか、又はR³がNHで、R⁴は酸素原子が好ましい。

R⁵としては、ベンジル基、フェニル基、ピリジル基又はピリジルメチル基が好ましく、該ベンジル基及びピリジルメチル基の芳香環、並びにフェニル基及びピリジル基はハロゲン原子、炭素数1~4のアルキル基、炭素数1~4のアルコキシ基、炭素数2~5のアルコキシカルボニル基、炭素数1~4のアシル基、トリフルオロメチル基、炭素数1~4のアルキルチオ基、及び炭素数1~4のアルキル基でジ置換されたアミノ基から選択される1~5個の置換基を有していてもよい。

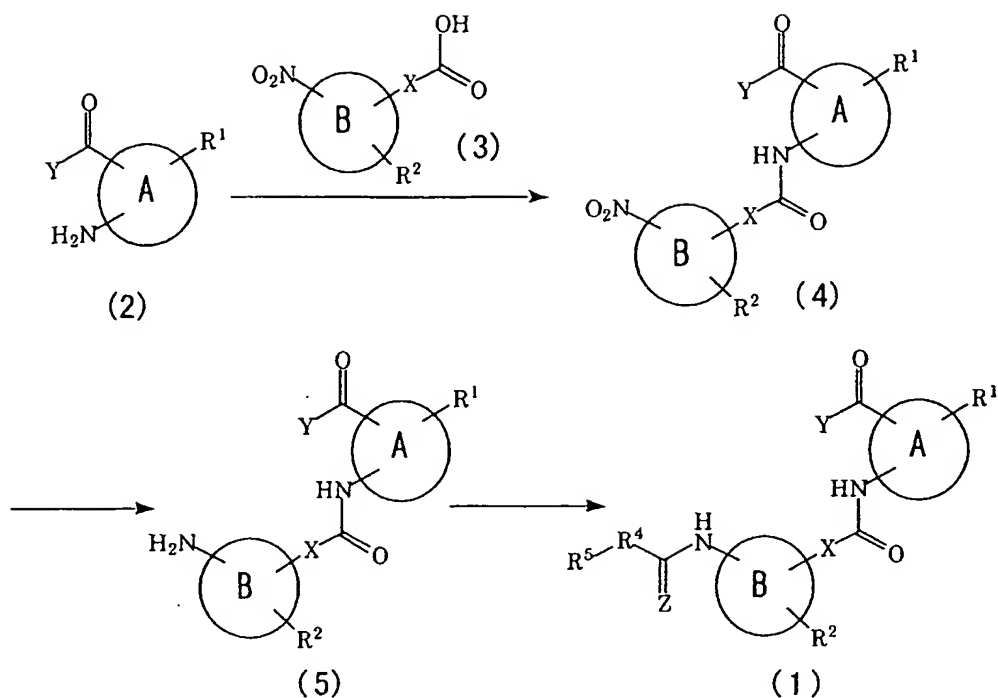
Zとしては、酸素が好ましい。

本発明の化合物は、例えば下記の方法によって合成することができるが、本発明の化合物の製造方法はこれらに限定されるものではないことはいうまでもない。

本発明の化合物は、いずれも文献未記載の新規化合物であるが、文献記載の公知の方法又はそれと類似した方法で製造することができる。文献の例を挙げると、オーガニック・ファンクショナル・グループ・プレパレーションズ (Organic Functional Group Preparations), S. R. サンドラーら著、アカデミック・プレス・インコーポレイテッド (Academic Press Inc.) (New York and London) (1968)、シンセティック・オーガニック・ケミストリー (Synthetic Organic Chemistry), S. R. ワーグナーら著, (JohnWiley) (1961)、コンプリヘンシブ・オーガニック・トランスフォーメーションズ (Comprehensive Organic Transformations), R. C. ラロック著 (1989)、エンサイクロペディア・オブ・レージェント・フォー・オーガニック・シンセシス (Encyclopedia of Reagents for Organic Synthesis), L. A. パケットら著 (1995)、コンペンジウム・オブ・オーガニック・シンセシス・メソッド (Compendium of Organic Synthetic Methods), M. B. スミス著 (1995) などが挙げられる。また、本発明の化合物の類似化合物として、前記式 (1) において A がベンゼン環、R¹ が水素原子、X が単結合であるものの合成が報告されており、それと類似の方法を使っても合成することができる。報告例をあげると、Indian. J. Chem., Sect. B (1987), 26B (12), 1133-9、特公平 02-24825 号公報、Acta Chim. Acad. Sci. Hung. (1981), 107 (1), 57-66、Tetrahedron (1968), 24 (16), 5529-45、Acta Chim. Acad. Sci. Hung. (1966), 48 (1), 77-87、J. Org. Chem. (1967), 32 (2), 462-3、Acta Vet. (Brno) (1971), 40 (2), 209-14、J. Org. Chem. (1974), 39 (13), 1931-5、J. Chem. Eng. Data (1968), 13 (4), 577-9 が挙げられる。なお、前記文献に同化合物の生理活性に関する記述はない。なお、製法に際して用いる原料化合物としては、市販されているものを用いても、又は必要に応じて常法により製造してもよい。以下に製法の例を示す。

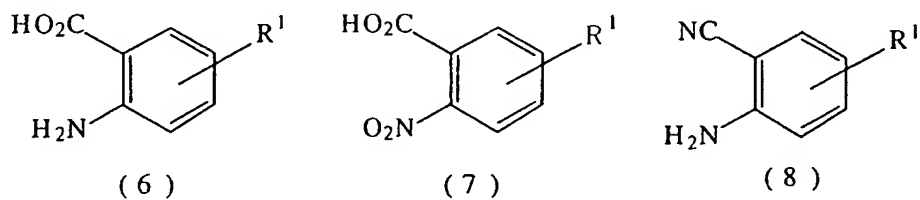
[製法 1]

前記一般式 (1) において R³ が NH である化合物は以下の反応工程に従い製造することができる。



(式中、 R^1 、 R^2 、 R^4 、 R^5 、 X 、 Y 、 Z 、環 A 及び環 B は前記定義のとおりである。)

出発原料である化合物 (2) は市販品を購入するか、文献記載の公知の方法又はそれと類似した方法で製造することができる。例えば A 環がベンゼン環の場合、下記の化合物を原料として製造することができる。



前記一般式 (6) で示されるアントラニル酸誘導体をジシクロヘキシルカルボジイミド等のカルボジイミド試薬を用いてアミン化合物と縮合させて、 Y が $N(R^6)$ (R^7) である化合物を製造することができる。また、前記一般式 (7) で示されるニトロ安息香酸誘導体を塩化チオニルなどで処理した後にアルコール化合物又はアミン化合物と不活性溶媒中、塩基の存在下に反応させたり、一般式 (6) の場合と同様の処理をした後に、文献記載の公知の方法又はそれと類似した方法でニトロ基をアミノ基に変換することで、 Y が炭素数 1～4 のアルキル基、炭素数 1

～4のアルコキシ基又は $N(R^6)(R^7)$ である化合物を製造することができる。また、前記一般式(8)で示されるニトリル誘導体を文献記載の公知の方法又はそれと類似した方法でニトリル基を加水分解することで、Yが水酸基である化合物を合成できる。

前記一般式(4)で示される化合物は、文献記載の公知の方法又はそれと類似した方法である、前記一般式(2)で示されるアミン誘導体と前記一般式(3)で示されるカルボン酸誘導体の縮合反応によって製造することができる。本縮合反応は、各種の縮合剤の存在下に行うことができる。縮合剤としては、例えばジシクロヘキシルカルボジイミドなどのカルボジイミド試薬、カルボニルジイミダゾール、2-クロロ-1-メチルピリジニウムヨウ化物塩などを用いることができる。また前記一般式(3)で示されるカルボン酸化合物を、塩化チオニル等のハロゲン化試薬と反応させて、対応する酸ハライドに変換するか、又は例えば p-トルエンスルホン酸クロリドなどにより反応活性体である酸無水物に変換した後、前記一般式(2)で示されるアミン誘導体と反応させることにより縮合反応を行うこともできる。また本縮合反応は、不活性な溶媒、例えばテトラヒドロフランなどのエーテル類、トルエンなどの芳香族炭化水素類、シクロヘキサンなどの炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、アセトニトリルなどのニトリル類、酢酸エチルなどのエステル類、N,N-ジメチルホルムアミド、ジメチルスルホキシドなどから選択される適当な溶媒を用いることができる。反応は 0°C ～溶媒の還流温度で行うことができる。

前記一般式(5)で示される化合物は、前記一般式(4)で示されるアミド誘導体のニトロ基を文献記載の公知の方法又はそれと類似した方法によりアミノ基へ変換することで製造することができる。例えば、メタノール、エタノールなどのアルコール性溶媒中でパラジウム炭素、鉄、すず粉末などの触媒の存在下に水素添加反応を行うことによって製造することができる。反応は 0°C ～溶媒の還流温度で行うことができる。

前記一般式(1)で示される化合物は、 R^4 がNHである場合、前記一般式(5)で示される化合物と、公知の方法で得られるイソシアネート($R^5\text{NCO}$)又はイソチオシアネート($R^5\text{NCS}$)とを、必要により、例えばトリエチルアミン、ピリジン、ジ

メチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基の存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、N,N-ジメチルホルムアミド、ジメチルスルホキシド、N-メチルピロリドンなど非プロトン性極性溶媒又はこれらの混合溶媒中、-20℃～用いた溶媒の沸点の温度で、10分～48時間反応させることで製造することができる。また、イソシアネートの代わりにトリホスゲン又はカルボニルジイミダゾールと対応するアミン類からイソシアネート等価体を別途調製して反応に用いて合成することもできる。

前記一般式 (I) で示される化合物は、 R^4 が酸素原子である場合、前記一般式 (5) で示される化合物と公知の方法で得られるハロゲン化カルバミド酸 ($R^5\text{OCO}X$) を必要により、例えばトリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタンなどのハロゲン化炭化水素類、N,N-ジメチルホルムアミド、ジメチルスルホキシド、N-メチルピロリドンなど非プロトン性極性溶媒もしくはこれらの混合溶媒中、-20℃～用いた溶媒の沸点の間の温度で、10分～48時間反応させることで製造することができる。また、ハロゲン化カルバミド酸の代わりにトリホスゲン又はカルボニルジイミダゾールと対応するアルコール類からハロゲン化カルバミド酸等価体を別途調製して反応に用いて合成することもできる。

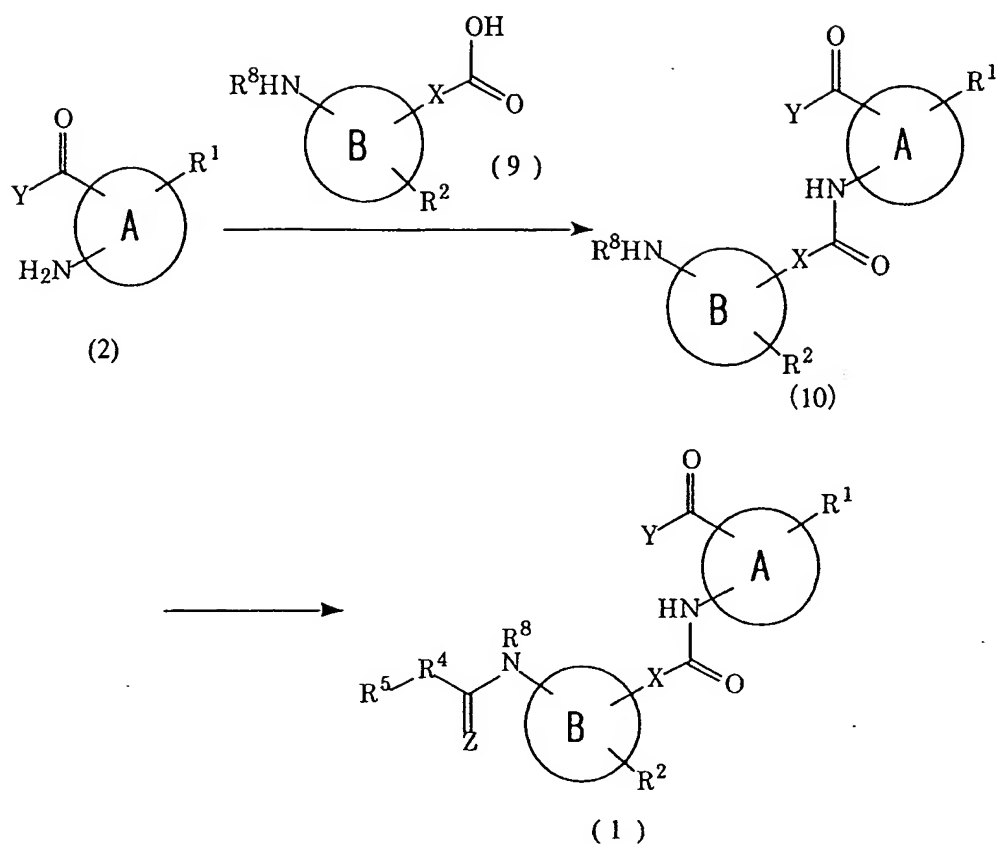
前記一般式 (1) で示される化合物は、 R^4 が NR^8 であって、 R^8 が炭素数 1～4 のアルキル基である場合、前記一般式 (5) で示される化合物と、公知の方法で得られる $R^4R^5\text{NCZCl}$ で表されるカルバモイルクロリド又はチオカルバモイルクロリドとを、必要により、例えばトリエチルアミン、ピリジン、ジメチルアミノピリ

ジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基の存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、N,N-ジメチルホルムアミド、ジメチルスルホキシド、N-メチルピロリドンなど非プロトン性極性溶媒又はこれらの混合溶媒中、-20℃～用いた溶媒の沸点の温度で、10分～48時間反応させることで製造することができる。

前記一般式(1)で示される化合物は、 R^4 が単結合である場合、必要により例えば文献記載の公知の方法又はそれと類似した方法で前記一般式(5)で示される化合物と R^5CO_2H で示されるカルボン酸誘導体の縮合反応によって製造することができる。本縮合反応は、各種の縮合剤の存在下に行うことができる。縮合剤としては、例えばジシクロヘキシルカルボジイミドなどのカルボジイミド試薬、カルボニルジイミダゾール、2-クロロ-1-メチルピリジニウムヨウ化物塩などを用いることができる。また R^5CO_2H で示されるカルボン酸化合物を、塩化チオニル等のハロゲン化試薬と反応させて、対応する酸ハライドに変換するか、又は例えば *p*-トルエンスルホン酸クロリドなどにより反応活性体である酸無水物に変換した後、前記一般式(5)で示されるアミノ化合物と反応させることにより行うこともできる。また本縮合反応は、不活性な溶媒、例えばテトラヒドロフランなどのエーテル類、トルエンなどの芳香族炭化水素類、シクロヘキサンなどの炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、アセトニトリルなどのニトリル類、酢酸エチルなどのエステル類、N,N-ジメチルホルムアミド、ジメチルスルホキシドなどから選択される適当な溶媒を用いることができる。反応は0℃～溶媒の還流温度で行うことができる。

[製法2]

化合物(1)において R^3 が NR^8 である化合物は、以下の反応工程に従い製造することができる。



(式中、R¹、R²、R⁴、R⁵、R⁸、X、Y、Z、環 A 及び環 B は前記定義のとおりである。)

前記一般式 (10) で示される化合物は、文献記載の公知の方法又はそれと類似した方法である、前記一般式 (2) で示されるアミン誘導体と前記一般式 (9) で示されるカルボン酸誘導体の縮合反応によって製造することができる。本縮合反応は、縮合剤の存在下に行うことができる。縮合剤としては、例えばジシクロヘキシルカルボジイミドなどのカルボジイミド試薬、カルボニルジイミダゾール、2-クロロ-1-メチルピリジニウムヨウ化物塩などを用いることができる。また本縮合反応は、不活性な溶媒、例えばテトラヒドロフランなどのエーテル類、トルエンなどの芳香族炭化水素類、シクロヘキサンなどの炭化水素類、ジクロロメタンなどのハロゲン化炭化水素類、アセトニトリルなどのニトリル類、酢酸エチルなどのエステル類、N,N-ジメチルホルムアミド、ジメチルスルホキシドなどから選択される適当な溶媒を用いることができる。反応は 0℃～溶媒の還流温度で行うこと

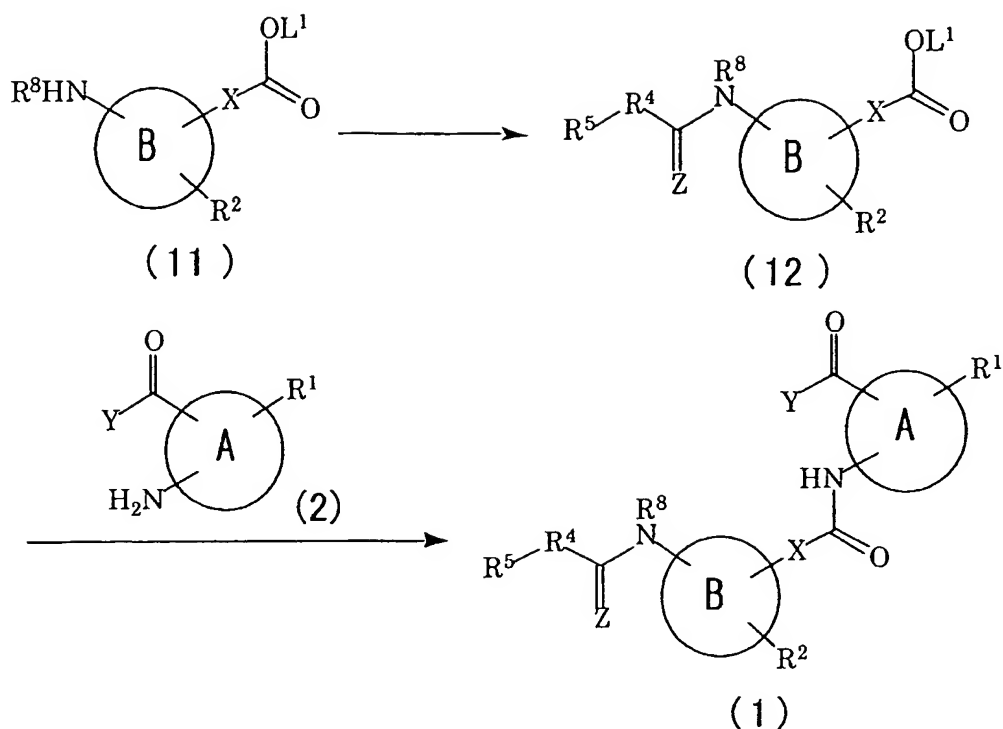
ができる。

前記一般式 (1) で示される化合物は、 R^4 が NH である場合、前記一般式 (10) で示される化合物と、公知の方法で得られるイソシアネート ($R^5\text{NCO}$) 又はイソチオシアネート ($R^5\text{NCS}$) とを、必要により、例えばトリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基の存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、*N,N*-ジメチルホルムアミド、ジメチルスルホキシド、*N*-メチルピロリドンなど非プロトン性極性溶媒又はこれらの混合溶媒中、 -20°C ～用いた溶媒の沸点の温度で、10 分～48 時間反応させることで製造することができる。

前記一般式 (1) で示される化合物は、 R^4 が NR^8 であって R^8 が炭素数 1～4 のアルキル基である場合、前記一般式 (10) で示される化合物と公知の方法で得られる $\text{R}^8\text{R}^5\text{NCZCl}$ で表されるカルバモイルクロリド又はチオカルバモイルクロリドとを、必要により例えば、トリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、*N,N*-ジメチルホルムアミド、ジメチルスルホキシド、*N*-メチルピロリドンなど非プロトン性極性溶媒もしくはこれらの混合溶媒中、 -20°C ～用いた溶媒の沸点の間の温度で、10 分～48 時間反応させることで製造することができる。

[製法 3]

化合物 (1) において R^3 が NR^8 である化合物は以下の反応工程に従い製造することができる。



(式中、 R^1 、 R^2 、 R^4 、 R^5 、 R^8 、 X 、 Y 、 Z 、環 A 及び環 B は前記定義のとおりであり、 L^1 は水素原子、又は保護基、例えばベンジル基、アルキル基を表す。)

前記一般式 (12) で示される化合物は、 R^4 が NH である場合、前記一般式 (11) で示される化合物と、公知の方法で得られるイソシアネート (R^5NCO) 又はイソチオシアネート (R^5NCS) とを、必要により、例えばトリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム t -ブトキシドなどの金属アルコキシドなどの塩基の存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、 N,N -ジメチルホルムアミド、ジメチルスルホキシド、 N -メチルピロリドンなど非プロトン性極性溶媒又はこれらの混合溶媒中、 $-20^\circ C \sim$ 用いた溶媒の沸点の温度で、10 分～48 時間反応させることで製造することができる。

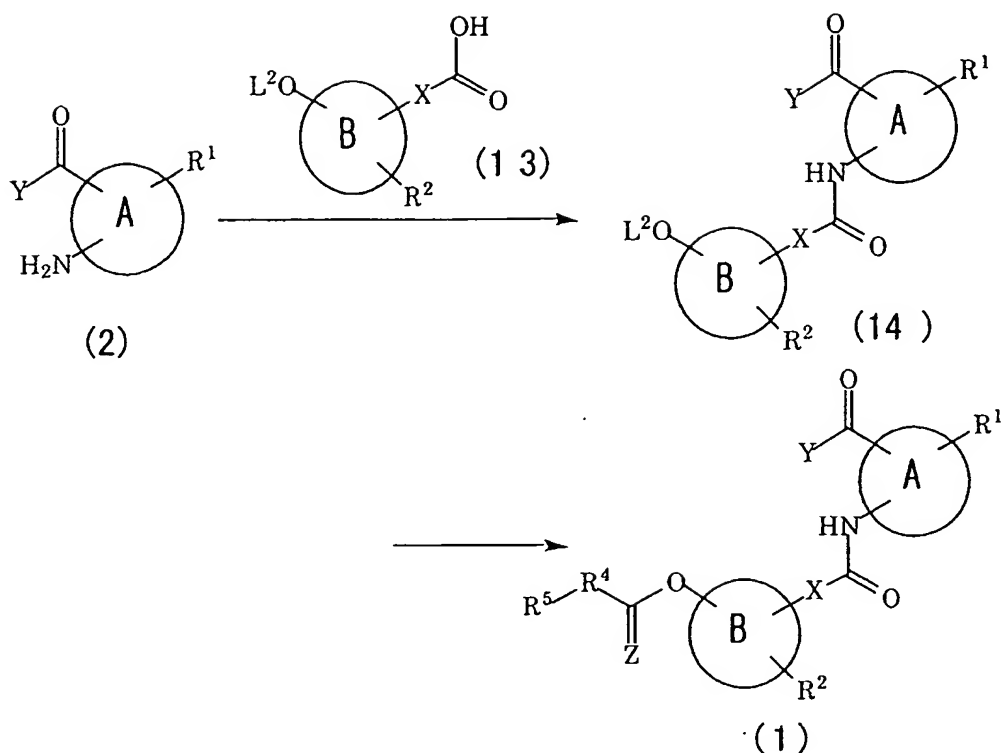
前記一般式 (12) で示される化合物は、 R^4 が NR^8 であって R^8 が炭素数 1～4 のアルキル基である場合、前記一般式 (11) で示される化合物と、公知の方法で得られ

る R^3R^5NCZCl で表されるカルバモイルクロリド又はチオカルバモイルクロリドとを、必要により、例えばトリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基の存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、*N,N*-ジメチルホルムアミド、ジメチルスルホキシド、*N*-メチルピロリドンなど非プロトン性極性溶媒又はこれらの混合溶媒中、 -20°C ～用いた溶媒の沸点の温度で、10分～48時間反応させることで製造することができる。

前記一般式(1)で示される化合物は、文献記載の公知の方法又はそれと類似した方法である、前記一般式(2)で示されるアミン誘導体と前記一般式(12)で示される化合物又は脱保護反応を施した前記一般式(12)で示される化合物との縮合反応によって製造することができる。本縮合反応は、縮合剤の存在下に行うことができる。縮合剤としては、例えばジシクロヘキシルカルボジイミドなどのカルボジイミド試薬、カルボニルジイミダゾール、2-クロロ-1-メチルピリジニウムヨウ化物塩などを用いることができる。また本縮合反応は、不活性な溶媒、例えばテトラヒドロフランなどのエーテル類、トルエンなどの芳香族炭化水素類、シクロヘキサンなどの炭化水素類、ジクロロメタンなどのハロゲン化炭化水素類、アセトニトリルなどのニトリル類、酢酸エチルなどのエステル類、*N,N*-ジメチルホルムアミド、ジメチルスルホキシドなどから選択される適当な溶媒を用いることができる。

[製法4]

化合物(1)において R^3 が酸素原子である化合物は以下の反応工程に従い製造することができる。



(式中の R¹、R²、R⁴、R⁵、X、Y、Z、環 A 及び環 B は前記定義のとおりで、L² は水素原子又は保護基を表す。)

前記一般式 (14) で示される化合物は、文献記載の公知の方法又はそれと類似した方法である前記一般式 (2) で示されるアミン誘導体と前記一般式 (13) で示されるカルボン酸誘導体の縮合反応によって製造することができる。本縮合反応は、各種の縮合剤の存在下に行うことができる。縮合剤としては、例えばジシクロヘキシルカルボジイミドなどのカルボジイミド試薬、カルボニルジイミダゾール、2-クロロ-1-メチルピリジニウムヨウ化物塩などを用いることができる。また前記一般式 (13) で示されるカルボン酸化合物を、塩化チオニル等のハロゲン化試薬と反応させて、対応する酸ハライドに変換するか、又は例えば p-トルエンスルホン酸クロリドなどにより反応活性体である酸無水物に変換した後、前記一般式 (2) で示されるアミノ化合物と反応させることにより行うこともできる。また本縮合反応は、不活性な溶媒、例えばテトラヒドロフランなどのエーテル類、トルエンなどの芳香族炭化水素類、シクロヘキサンなどの炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、アセトニトリ

ルなどのニトリル類、酢酸エチルなどのエステル類、N,N-ジメチルホルムアミド、ジメチルスルホキシドなどから選択される適当な溶媒を用いることができる。反応は0℃～溶媒の還流温度で行うことができる。

前記一般式(1)で示される化合物は、 R^4 がNHである場合、前記一般式(5)で示される化合物と公知の方法で得られるイソシアネート($R^5\text{NCO}$)又はイソチオシアネート($R^5\text{NCS}$)とを、必要により例えば、トリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタンなどのハロゲン化炭化水素類、N,N-ジメチルホルムアミド、ジメチルスルホキシド、N-メチルピロリドンなど非プロトン性極性溶媒もしくはこれらの混合溶媒中、-20℃～用いた溶媒の沸点の間の温度で、10分～48時間反応させることで製造することができる。また、イソシアネートの代わりにトリホスゲン又はカルボニルジイミダゾールと対応するアミン類からイソシアネート等価体を別途調製して反応に用いて合成することもできる。

前記一般式(1)で示される化合物は、 $R^4=\text{NR}^8$ 、 $R^8\neq\text{H}$ の場合、前記一般式(5)で示される化合物と公知の方法で得られる $R^8R^5\text{NCZCl}$ で表されるカルバモイルクロリド又はチオカルバモイルクロリドとを、必要により例えば、トリエチルアミン、ピリジン、ジメチルアミノピリジンなどの有機塩基、炭酸カリウム、水酸化ナトリウム、水素化ナトリウムなどの無機塩基、ナトリウムメトキシド、カリウム *t*-ブトキシドなどの金属アルコキシドなどの塩基存在下、適当な不活性溶媒、例えばジエチルエーテル、テトラヒドロフラン、1,4-ジオキサンなどのエーテル類、ベンゼン、トルエンなどの芳香族炭化水素類、ジクロロメタン、クロロホルムなどのハロゲン化炭化水素類、N,N-ジメチルホルムアミド、ジメチルスルホキシド、N-メチルピロリドンなど非プロトン性極性溶媒もしくはこれらの混合溶媒中、-20℃～用いた溶媒の沸点の間の温度で、10分～48時間反応させることで製造することができる。

前記の製造方法において定義した基が実施方法の条件下で変化するか又は方法を実施するのに不適切な場合、有機合成化学で常用される保護基の導入及び脱離方法（例えばプロテクティブ・グループス・イン・オーガニック・シンセシス (Protective Groups of Organic Synthesis) , グリーン著, (John Wiley) (1981) 参照）等を用いることにより目的化合物を得ることができる。また化合物 (I) の中には、これを合成中間体として更に新規な誘導体 (I) に導くことができるものもある。

前記の各製造方法における中間体及び目的化合物は、有機合成化学で常用される精製手段、例えば中和、濾過、抽出、洗浄、乾燥、濃縮、再結晶、各種クロマトグラフィーなどに付して単離精製することができる。また、中間体においては、特に精製することなく、次の反応に供することも可能である。

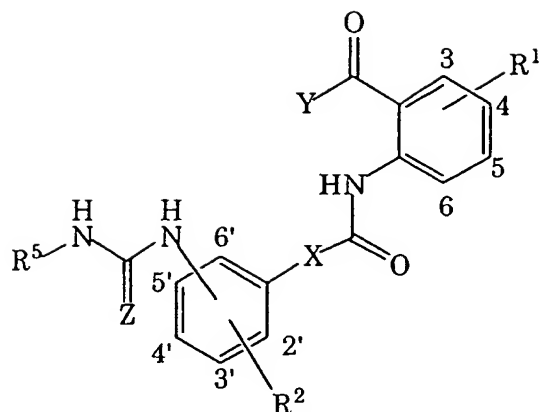
また化合物 (I) の中には、異性体が存在しうるものがあるが、本発明はこれらを含めて全て可能な異性体及びそれらの混合物を含む。

化合物 (I) の塩を取得したいとき、化合物 (I) が塩の形で得られる場合には、そのまま精製すればよく、また遊離の形で得られる場合には、適当な有機溶媒に溶解又は懸濁させ、酸又は塩基を加えて通常の方法により塩を形成させればよい。薬学的に許容される塩として、例えば塩酸、臭化水素酸、ヨウ化水素酸、硫酸、リン酸などの鉱酸との酸付加塩、ギ酸、酢酸、メタンスルホン酸、ベンゼンスルホン酸、p-トルエンスルホン酸、プロピオン酸、クエン酸、コハク酸、酪酸、シュウ酸、マロン酸、マレイン酸、乳酸、リンゴ酸、炭酸、グルタミン酸、アルパラギン酸などの有機酸との酸付加塩、ナトリウム塩、カリウム塩、カルシウム塩などの無機塩基との塩、モルホリン、ピペリジンなどの有機アミン、アミノ酸との塩を挙げることができる。

また化合物 (I) 及びその薬学的に許容される塩は、水あるいは各種溶媒との付加物の形で存在することもあるが、これらの付加物も本発明に含まれる。

前記製造方法によって得られる化合物 (I) の具体例を表 1～表 8 に示す。本発明の化合物がこれらに限定されるものではないことはいうまでもない。

表 1



| 化合物 番号 | R ¹ | Y | X | Z | R ² | ウレ ア位 置 | R ⁵ |
|-----------|------------------------|-----|---|---|----------------|---------------|--------------------------------------|
| 1 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | Ph |
| 2 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Me-Ph |
| 3 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Me-Ph |
| 4 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Me-Ph |
| 5 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Et-Ph |
| 6 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Et-Ph |
| 7 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Et-Ph |
| 8 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4- ⁱ Pr-Ph |
| 9 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4- ⁿ Bu-Ph |
| 10 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CF ₃ -Ph |
| 11 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4- ^t Bu-Ph |
| 12 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Ac-Ph |
| 13 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Ac-Ph |
| 14 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CO ₂ Et-Ph |
| 15 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-CO ₂ Et-Ph |
| 16 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CO ₂ Me-Ph |
| 17 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CO ₂ ⁿ Bu-Ph |
| 18 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-SMe-Ph |
| 19 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-F-Ph |
| 20 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-F-Ph |
| 21 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-F-Ph |
| 22 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-Ph |
| 23 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Cl-Ph |
| 24 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Cl-Ph |
| 25 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NO ₂ -Ph |
| 26 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-NO ₂ -Ph |
| 27 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-NO ₂ -Ph |
| 28 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NH ₂ -Ph |
| 29 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-NH ₂ -Ph |
| 30 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-NH ₂ -Ph |
| 31 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NHAc-Ph |
| 32 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NMe ₂ -Ph |

| | | | | | | | |
|----|------------------------|-----|---|---|---|----|-----------------------------------------|
| 33 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-NMe ₂ -Ph |
| 34 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-NMe ₂ -Ph |
| 35 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-OMe-Ph |
| 36 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-OMe-Ph |
| 37 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-OMe-Ph |
| 38 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-OEt-Ph |
| 39 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NEt ₂ -Ph |
| 40 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-OAc-Ph |
| 41 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-OAc-Ph |
| 42 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-OAc-Ph |
| 43 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-OH-Ph |
| 44 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-OH-Ph |
| 45 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-OH-Ph |
| 46 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-OBn-Ph |
| 47 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-PhCO-Ph |
| 48 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CO ₂ H-Ph |
| 49 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-CO ₂ H-Ph |
| 50 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CN-Ph |
| 51 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-morpholino-Ph |
| 52 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-(2-Py)-Ph |
| 53 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,4-(OMe) ₂ -Ph |
| 54 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-6-NH ₂ -Ph |
| 55 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Cl-4-NO ₂ -Ph |
| 56 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-6-CF ₃ -Ph |
| 57 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,4-F ₂ -Ph |
| 58 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,4-Cl ₂ -Ph |
| 59 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-6-NO ₂ -Ph |
| 60 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-6-Me-Ph |
| 61 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Cl-4-NH ₂ -Ph |
| 62 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,5-(OMe) ₂ -Ph |
| 63 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,5-F ₂ -Ph |
| 64 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,5-Cl ₂ -Ph |
| 65 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,5-CF ₃ -Ph |
| 66 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,5-CO ₂ Me-Ph |
| 67 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,5-(OMe) ₂ -Ph |
| 68 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,5-Me ₂ -Ph |
| 69 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,5-(CF ₃) ₂ -Ph |
| 70 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,5-F ₂ -Ph |
| 71 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,5-Cl ₂ -Ph |
| 72 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,5-(NO ₂) ₂ -Ph |
| 73 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-Me ₂ -Ph |
| 74 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-(CF ₃) ₂ -Ph |
| 75 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-5-NO ₂ -Ph |
| 76 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-F ₂ -Ph |
| 77 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-Cl ₂ -Ph |
| 78 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-5-CF ₃ -Ph |
| 79 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | indane-5-yl |
| 80 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 1,3-benzodioxole-5-yl |
| 81 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 1,4-benzodioxane-6-yl |
| 82 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Cl-4-Me-Ph |
| 83 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Cl-4-F-Ph |
| 84 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-NO ₂ -4-Me-Ph |
| 85 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-(OMe) ₂ -Ph |
| 86 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,6- ⁱ Pr ₂ -Ph |

| | | | | | | | |
|-----|------------------------|-----|---|---|---|----|---------------------------------------------------------------|
| 87 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,6-F ₂ -Ph |
| 88 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,6-Cl ₂ -Ph |
| 89 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Cl-6-Me-Ph |
| 90 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,3-(OMe) ₂ -Ph |
| 91 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 5-Cl-6-OMe-Ph |
| 92 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,3-Cl ₂ -Ph |
| 93 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-5-NH ₂ -Ph |
| 94 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Cl-6-OMe-Ph |
| 95 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Cl-4,6-(OMe) ₂ -Ph |
| 96 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4,5-Me ₂ -2-NO ₂ -Ph |
| 97 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,4,5-F ₃ -Ph |
| 98 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,3,6-F ₃ -Ph |
| 99 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,4,6-F ₃ -Ph |
| 100 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2,3,4-F ₃ -Ph |
| 101 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 102 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | c-Pen |
| 103 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | c-Hex |
| 104 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | c-Hep |
| 105 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | tetrahydropyrane-2-yl |
| 106 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-propenyl |
| 107 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | ⁿ Bu |
| 108 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | ⁿ Pr |
| 109 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | ⁱ Pr |
| 110 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | ^t Bu |
| 111 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | Me |
| 112 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | Bn |
| 113 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-F-Bn |
| 114 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-F-Bn |
| 115 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-F-Bn |
| 116 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Cl-Bn |
| 117 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Cl-Bn |
| 118 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Cl-Bn |
| 119 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-OMe-Bn |
| 120 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-OMe-Bn |
| 121 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-OMe-Bn |
| 122 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Me-Bn |
| 123 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Me-Bn |
| 124 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Me-Bn |
| 125 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NO ₂ -Bn |
| 126 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NH ₂ -Bn |
| 127 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-NMe ₂ -Bn |
| 128 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-SO ₂ Me-Bn |
| 129 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-SO ₂ NH ₂ -Bn |
| 130 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-CN-Bn |
| 131 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4- ^t Bu-Bn |
| 132 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | piperonyl |
| 133 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-(OMe) ₂ -Bn |
| 134 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3,4-Cl ₂ -Bn |
| 135 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₂ -(4-Cl-Ph) |
| 136 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₂ -(3,4-(OMe) ₂ -Ph) |
| 137 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₂ -Ph |
| 138 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₃ -Ph |
| 139 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₄ -Ph |
| 140 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | COPh |

| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|---------------------------------------------------|
| 141 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 1-Nap |
| 142 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Nap |
| 143 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(1-Nap) |
| 144 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(2-Nap) |
| 145 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 2-Py |
| 146 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 3-Py |
| 147 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | 4-Py |
| 148 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(2-Py) |
| 149 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(3-Py) |
| 150 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(4-Py) |
| 151 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₂ -(2-Py) |
| 152 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | furan-3-yl |
| 153 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | thiophene-3-yl |
| 154 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(thiophene-3-yl) |
| 155 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(furan-3-yl) |
| 156 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | CH ₂ -(thiophene-2-yl) |
| 157 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | (CH ₂) ₂ -(thiophene-2-yl) |
| 158 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | Ph |
| 159 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Me-Ph |
| 160 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Me-Ph |
| 161 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Me-Ph |
| 162 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Et-Ph |
| 163 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Et-Ph |
| 164 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Et-Ph |
| 165 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4- ⁱ Pr-Ph |
| 166 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4- ⁿ Bu-Ph |
| 167 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CF ₃ -Ph |
| 168 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4- ^t Bu-Ph |
| 169 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Ac-Ph |
| 170 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Ac-Ph |
| 171 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CO ₂ Et-Ph |
| 172 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-CO ₂ Et-Ph |
| 173 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CO ₂ Me-Ph |
| 174 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CO ₂ ⁿ Bu-Ph |
| 175 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-SMe-Ph |
| 176 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-F-Ph |
| 177 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-F-Ph |
| 178 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-F-Ph |
| 179 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-Ph |
| 180 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Cl-Ph |
| 181 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Cl-Ph |
| 182 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NO ₂ -Ph |
| 183 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-NO ₂ -Ph |
| 184 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-NO ₂ -Ph |
| 185 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NH ₂ -Ph |
| 186 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-NH ₂ -Ph |
| 187 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-NH ₂ -Ph |
| 188 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NHAc-Ph |
| 189 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NMe ₂ -Ph |
| 190 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-NMe ₂ -Ph |
| 191 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-NMe ₂ -Ph |
| 192 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-OMe-Ph |
| 193 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-OMe-Ph |
| 194 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-OMe-Ph |

| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|-----------------------------------------|
| 195 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-OEt-Ph |
| 196 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NEt ₂ -Ph |
| 197 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-OAc-Ph |
| 198 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-OAc-Ph |
| 199 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-OAc-Ph |
| 200 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-OH-Ph |
| 201 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-OH-Ph |
| 202 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-OH-Ph |
| 203 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-OBn-Ph |
| 204 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-PhCO-Ph |
| 205 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CO ₂ H-Ph |
| 206 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-CO ₂ H-Ph |
| 207 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CN-Ph |
| 208 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-morpholino-Ph |
| 209 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-(2-Py)-Ph |
| 210 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,4-(OMe) ₂ -Ph |
| 211 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-6-NH ₂ -Ph |
| 212 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Cl-4-NO ₂ -Ph |
| 213 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-6-CF ₃ -Ph |
| 214 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,4-F ₂ -Ph |
| 215 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,4-Cl ₂ -Ph |
| 216 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-6-NO ₂ -Ph |
| 217 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-6-Me-Ph |
| 218 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Cl-4-NH ₂ -Ph |
| 219 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,5-(OMe) ₂ -Ph |
| 220 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,5-F ₂ -Ph |
| 221 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,5-Cl ₂ -Ph |
| 222 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,5-CF ₃ -Ph |
| 223 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,5-CO ₂ Me-Ph |
| 224 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,5-(OMe) ₂ -Ph |
| 225 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,5-Me ₂ -Ph |
| 226 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,5-(CF ₃) ₂ -Ph |
| 227 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,5-F ₂ -Ph |
| 228 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,5-Cl ₂ -Ph |
| 229 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,5-(NO ₂) ₂ -Ph |
| 230 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-Me ₂ -Ph |
| 231 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-(CF ₃) ₂ -Ph |
| 232 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-5-NO ₂ -Ph |
| 233 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-F ₂ -Ph |
| 234 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-Cl ₂ -Ph |
| 235 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-5-CF ₃ -Ph |
| 236 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | indane-5-yl |
| 237 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 1,3-benzodioxole-5-yl |
| 238 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 1,4-benzodioxane-6-yl |
| 239 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Cl-4-Me-Ph |
| 240 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Cl-4-F-Ph |
| 241 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-NO ₂ -4-Me-Ph |
| 242 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-(OMe) ₂ -Ph |
| 243 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,6- ⁱ Pr ₂ -Ph |
| 244 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,6-F ₂ -Ph |
| 245 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,6-Cl ₂ -Ph |
| 246 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Cl-6-Me-Ph |
| 247 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,3-(OMe) ₂ -Ph |
| 248 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 5-Cl-6-OMe-Ph |

| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|---------------------------------------------------------------|
| 249 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,3-Cl ₂ -Ph |
| 250 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-5-NH ₂ -Ph |
| 251 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Cl-6-OMe-Ph |
| 252 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Cl-4,6-(OMe) ₂ -Ph |
| 253 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4,5-Me ₂ -2-NO ₂ -Ph |
| 254 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,4,5-F ₃ -Ph |
| 255 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,3,6-F ₃ -Ph |
| 256 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,4,6-F ₃ -Ph |
| 257 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2,3,4-F ₃ -Ph |
| 258 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 259 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | c-Pen |
| 260 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | c-Hex |
| 261 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | c-Hep |
| 262 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | tetrahydropyrane-2-yl |
| 263 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-propenyl |
| 264 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | ⁿ Bu |
| 265 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | ⁿ Pr |
| 266 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | ⁱ Pr |
| 267 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | ^t Bu |
| 268 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | Me |
| 269 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | Bn |
| 270 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-F-Bn |
| 271 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-F-Bn |
| 272 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-F-Bn |
| 273 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Cl-Bn |
| 274 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Cl-Bn |
| 275 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Cl-Bn |
| 276 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-OMe-Bn |
| 277 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-OMe-Bn |
| 278 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-OMe-Bn |
| 279 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Me-Bn |
| 280 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Me-Bn |
| 281 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Me-Bn |
| 282 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NO ₂ -Bn |
| 283 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NH ₂ -Bn |
| 284 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-NMe ₂ -Bn |
| 285 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-SO ₂ Me-Bn |
| 286 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-SO ₂ NH ₂ -Bn |
| 287 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-CN-Bn |
| 288 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4- ^t Bu-Bn |
| 289 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | piperonyl |
| 290 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-(OMe) ₂ -Bn |
| 291 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3,4-Cl ₂ -Bn |
| 292 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₂ -(4-Cl-Ph) |
| 293 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₂ -(3,4-(OMe) ₂ -Ph) |
| 294 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₂ -Ph |
| 295 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₃ -Ph |
| 296 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₄ -Ph |
| 297 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | COPh |
| 298 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 1-Nap |
| 299 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Nap |
| 300 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(1-Nap) |
| 301 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(2-Nap) |
| 302 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 2-Py |

| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|---------------------------------------------------|
| 303 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 3-Py |
| 304 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | 4-Py |
| 305 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(2-Py) |
| 306 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(3-Py) |
| 307 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(4-Py) |
| 308 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₂ -(2-Py) |
| 309 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | furan-3-yl |
| 310 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | thiophene-3-yl |
| 311 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(thiophene-3-yl) |
| 312 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(furan-3-yl) |
| 313 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | CH ₂ -(thiophene-2-yl) |
| 314 | 4,5-(OMe) ₂ | NH ₂ | - | O | H | 4' | (CH ₂) ₂ -(thiophene-2-yl) |
| 315 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | Ph |
| 316 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Me-Ph |
| 317 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Me-Ph |
| 318 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Me-Ph |
| 319 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Et-Ph |
| 320 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Et-Ph |
| 321 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Et-Ph |
| 322 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4- ⁱ Pr-Ph |
| 323 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4- ⁿ Bu-Ph |
| 324 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-CF ₃ -Ph |
| 325 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4- ^t Bu-Ph |
| 326 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Ac-Ph |
| 327 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Ac-Ph |
| 328 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-CO ₂ Et-Ph |
| 329 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-CO ₂ Et-Ph |
| 330 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-CO ₂ Me-Ph |
| 331 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-CO ₂ ⁿ Bu-Ph |
| 332 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-SMe-Ph |
| 333 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-F-Ph |
| 334 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-F-Ph |
| 335 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-F-Ph |
| 336 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-Ph |
| 337 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Cl-Ph |
| 338 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Cl-Ph |
| 339 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-NO ₂ -Ph |
| 340 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-NO ₂ -Ph |
| 341 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-NO ₂ -Ph |
| 342 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-NH ₂ -Ph |
| 343 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-NH ₂ -Ph |
| 344 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-NH ₂ -Ph |
| 345 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-NHAc-Ph |
| 346 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-NMe ₂ -Ph |
| 347 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-NMe ₂ -Ph |
| 348 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-NMe ₂ -Ph |
| 349 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-OMe-Ph |
| 350 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-OMe-Ph |
| 351 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-OMe-Ph |
| 352 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-OEt-Ph |
| 353 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-NEt ₂ -Ph |

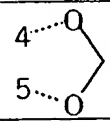
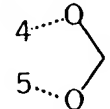
| | | | | | | | |
|-----|------------------------|-----|---|---|---|----|-----------------------------------------|
| 354 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-OAc-Ph |
| 355 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-OAc-Ph |
| 356 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-OAc-Ph |
| 357 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-OH-Ph |
| 358 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-OH-Ph |
| 359 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-OH-Ph |
| 360 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-OBn-Ph |
| 361 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-PhCO-Ph |
| 362 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-CO ₂ H-Ph |
| 363 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-CO ₂ H-Ph |
| 364 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-CN-Ph |
| 365 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-morpholino-Ph |
| 366 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-(2-Py)-Ph |
| 367 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,4-(OMe) ₂ -Ph |
| 368 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-6-NH ₂ -Ph |
| 369 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Cl-4-NO ₂ -Ph |
| 370 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-6-CF ₃ -Ph |
| 371 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,4-F ₂ -Ph |
| 372 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,4-Cl ₂ -Ph |
| 373 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-6-NO ₂ -Ph |
| 374 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-6-Me-Ph |
| 375 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Cl-4-NH ₂ -Ph |
| 376 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,5-(OMe) ₂ -Ph |
| 377 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,5-F ₂ -Ph |
| 378 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,5-Cl ₂ -Ph |
| 379 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,5-CF ₃ -Ph |
| 380 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,5-CO ₂ Me-Ph |
| 381 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,5-(OMe) ₂ -Ph |
| 382 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,5-Me ₂ -Ph |
| 383 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,5-(CF ₃) ₂ -Ph |
| 384 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,5-F ₂ -Ph |
| 385 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,5-Cl ₂ -Ph |
| 386 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,5-(NO ₂) ₂ -Ph |
| 387 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,4-Me ₂ -Ph |
| 388 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,4-(CF ₃) ₂ -Ph |
| 389 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-5-NO ₂ -Ph |
| 390 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,4-F ₂ -Ph |
| 391 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,4-Cl ₂ -Ph |
| 392 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Cl-5-CF ₃ -Ph |
| 393 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | indane-5-yl |
| 394 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 1,3-benzodioxole-5-yl |
| 395 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 1,4-benzodioxane-6-yl |
| 396 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Cl-4-Me-Ph |
| 397 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Cl-4-F-Ph |
| 398 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-NO ₂ -4-Me-Ph |
| 399 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3,4-(OMe) ₂ -Ph |
| 400 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,6-Pr ₂ -Ph |
| 401 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,6-F ₂ -Ph |
| 402 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,6-Cl ₂ -Ph |
| 403 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Cl-6-Me-Ph |
| 404 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2,3-(OMe) ₂ -Ph |

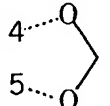
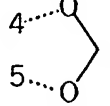
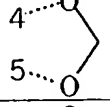
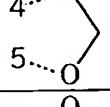
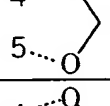
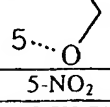
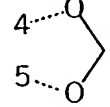
| | | | | | | | |
|-----|------------------------|-----|---|---|---|----|---------------------------------------------------------------|
| 405 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 5-Cl-6-OMe-Ph |
| 406 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2,3-Cl ₂ -Ph |
| 407 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-Cl-5-NH ₂ -Ph |
| 408 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3-Cl-6-OMe-Ph |
| 409 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3-Cl-4,6-(OMe) ₂ -Ph |
| 410 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4,5-Me ₂ -2-NO ₂ -Ph |
| 411 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2,4,5-F ₃ -Ph |
| 412 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2,3,6-F ₃ -Ph |
| 413 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2,4,6-F ₃ -Ph |
| 414 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2,3,4-F ₃ -Ph |
| 415 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 416 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | c-Pen |
| 417 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | c-Hex |
| 418 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | c-Hep |
| 419 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | tetrahydropyrane-2-yl |
| 420 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2-propenyl |
| 421 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | ⁿ Bu |
| 422 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | ⁿ Pr |
| 423 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | ⁱ Pr |
| 424 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | ^t Bu |
| 425 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | Me |
| 426 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | Bn |
| 427 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-F-Bn |
| 428 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3-F-Bn |
| 429 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2-F-Bn |
| 430 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-Cl-Bn |
| 431 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3-Cl-Bn |
| 432 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2-Cl-Bn |
| 433 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-OMe-Bn |
| 434 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3-OMe-Bn |
| 435 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2-OMe-Bn |
| 436 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-Me-Bn |
| 437 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3-Me-Bn |
| 438 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 2-Me-Bn |
| 439 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-NO ₂ -Bn |
| 440 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-NH ₂ -Bn |
| 441 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-NMe ₂ -Bn |
| 442 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-SO ₂ Me-Bn |
| 443 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-SO ₂ NH ₂ -Bn |
| 444 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4-CN-Bn |
| 445 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 4- ^t Bu-Bn |
| 446 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | piperonyl |
| 447 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3,4-(OMe) ₂ -Bn |
| 448 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 3,4-Cl ₂ -Bn |
| 449 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | (CH ₂) ₂ -(4-Cl-Ph) |
| 450 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | (CH ₂) ₂ -(3,4-(OMe) ₂ -Ph) |
| 451 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | (CH ₂) ₂ -Ph |
| 452 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | (CH ₂) ₃ -Ph |
| 453 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | (CH ₂) ₄ -Ph |
| 454 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | COPh |
| 455 | 4,5-(OMe) ₂ | OEt | — | S | H | 4' | 1-Nap |

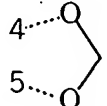
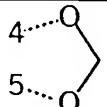
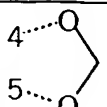
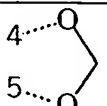
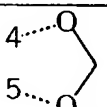
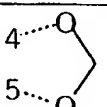
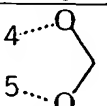
| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|---------------------------------------------------|
| 456 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Nap |
| 457 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(1-Nap) |
| 458 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(2-Nap) |
| 459 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 2-Py |
| 460 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 3-Py |
| 461 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | 4-Py |
| 462 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(2-Py) |
| 463 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(3-Py) |
| 464 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(4-Py) |
| 465 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | (CH ₂) ₂ -(2-Py) |
| 466 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | furan-3-yl |
| 467 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | thiophene-3-yl |
| 468 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(thiophene-3-yl) |
| 469 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(furan-3-yl) |
| 470 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | CH ₂ -(thiophene-2-yl) |
| 471 | 4,5-(OMe) ₂ | OEt | - | S | H | 4' | (CH ₂) ₂ -(thiophene-2-yl) |
| 472 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | Ph |
| 473 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Me-Ph |
| 474 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Me-Ph |
| 475 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Me-Ph |
| 476 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Et-Ph |
| 477 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Et-Ph |
| 478 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Et-Ph |
| 479 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4- ⁱ Pr-Ph |
| 480 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4- ⁿ Bu-Ph |
| 481 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-CF ₃ -Ph |
| 482 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4- ⁱ Bu-Ph |
| 483 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Ac-Ph |
| 484 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Ac-Ph |
| 485 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-CO ₂ Et-Ph |
| 486 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-CO ₂ Et-Ph |
| 487 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-CO ₂ Me-Ph |
| 488 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-CO ₂ ⁿ Bu-Ph |
| 489 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-SMe-Ph |
| 490 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-F-Ph |
| 491 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-F-Ph |
| 492 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-F-Ph |
| 493 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Cl-Ph |
| 494 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Cl-Ph |
| 495 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Cl-Ph |
| 496 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NO ₂ -Ph |
| 497 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-NO ₂ -Ph |
| 498 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-NO ₂ -Ph |
| 499 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NH ₂ -Ph |
| 500 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-NH ₂ -Ph |
| 501 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-NH ₂ -Ph |
| 502 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NHAc-Ph |
| 503 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NMe ₂ -Ph |
| 504 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-NMe ₂ -Ph |
| 505 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-NMe ₂ -Ph |
| 506 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-OMe-Ph |

| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|-----------------------------------------|
| 507 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-OMe-Ph |
| 508 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2-OMe-Ph |
| 509 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-OEt-Ph |
| 510 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-NEt ₂ -Ph |
| 511 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-OAc-Ph |
| 512 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-OAc-Ph |
| 513 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2-OAc-Ph |
| 514 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-OH-Ph |
| 515 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-OH-Ph |
| 516 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2-OH-Ph |
| 517 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-OBn-Ph |
| 518 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-PhCO-Ph |
| 519 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-CO ₂ H-Ph |
| 520 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-CO ₂ H-Ph |
| 521 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-CN-Ph |
| 522 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-morpholino-Ph |
| 523 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-(2-Py)-Ph |
| 524 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,4-(OMe) ₂ -Ph |
| 525 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-Cl-6-NH ₂ -Ph |
| 526 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2-Cl-4-NO ₂ -Ph |
| 527 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-Cl-6-CF ₃ -Ph |
| 528 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,4-F ₂ -Ph |
| 529 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,4-Cl ₂ -Ph |
| 530 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-Cl-6-NO ₂ -Ph |
| 531 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-Cl-6-Me-Ph |
| 532 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2-Cl-4-NH ₂ -Ph |
| 533 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,5-(OMe) ₂ -Ph |
| 534 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,5-F ₂ -Ph |
| 535 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,5-Cl ₂ -Ph |
| 536 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,5-CF ₃ -Ph |
| 537 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,5-CO ₂ Me-Ph |
| 538 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,5-(OMe) ₂ -Ph |
| 539 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,5-Me ₂ -Ph |
| 540 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,5-(CF ₃) ₂ -Ph |
| 541 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,5-F ₂ -Ph |
| 542 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,5-Cl ₂ -Ph |
| 543 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,5-(NO ₂) ₂ -Ph |
| 544 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,4-Me ₂ -Ph |
| 545 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,4-(CF ₃) ₂ -Ph |
| 546 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-Cl-5-NO ₂ -Ph |
| 547 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,4-F ₂ -Ph |
| 548 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,4-Cl ₂ -Ph |
| 549 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 4-Cl-5-CF ₃ -Ph |
| 550 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | indane-5-yl |
| 551 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 1,3-benzodioxole-5-yl |
| 552 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 1,4-benzodioxane-6-yl |
| 553 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-Cl-4-Me-Ph |
| 554 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-Cl-4-F-Ph |
| 555 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3-NO ₂ -4-Me-Ph |
| 556 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 3,4-(OMe) ₂ -Ph |
| 557 | 4,5-(OMe) ₂ | NH ₂ | — | S | H | 4' | 2,6- ⁱ Pr ₂ -Ph |

| | | | | | | | |
|-----|------------------------|-----------------|---|---|---|----|---------------------------------------------------------------|
| 558 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,6-F ₂ -Ph |
| 559 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,6-Cl ₂ -Ph |
| 560 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Cl-6-Me-Ph |
| 561 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,3-(OMe) ₂ -Ph |
| 562 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 5-Cl-6-OMe-Ph |
| 563 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,3-Cl ₂ -Ph |
| 564 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Cl-5-NH ₂ -Ph |
| 565 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Cl-6-OMe-Ph |
| 566 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Cl-4,6-(OMe) ₂ -Ph |
| 567 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4,5-Me ₂ -2-NO ₂ -Ph |
| 568 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,4,5-F ₃ -Ph |
| 569 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,3,6-F ₃ -Ph |
| 570 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,4,6-F ₃ -Ph |
| 571 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2,3,4-F ₃ -Ph |
| 572 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 573 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | c-Pen |
| 574 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | c-Hex |
| 575 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | c-Hep |
| 576 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | tetrahydropyrane-2-yl |
| 577 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-propenyl |
| 578 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | ⁿ Bu |
| 579 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | ⁿ Pr |
| 580 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | ⁱ Pr |
| 581 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | ^t Bu |
| 582 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | Me |
| 583 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | Bn |
| 584 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-F-Bn |
| 585 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-F-Bn |
| 586 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-F-Bn |
| 587 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Cl-Bn |
| 588 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Cl-Bn |
| 589 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Cl-Bn |
| 590 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-OMe-Bn |
| 591 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-OMe-Bn |
| 592 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-OMe-Bn |
| 593 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Me-Bn |
| 594 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Me-Bn |
| 595 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Me-Bn |
| 596 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NO ₂ -Bn |
| 597 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NH ₂ -Bn |
| 598 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-NMe ₂ -Bn |
| 599 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-SO ₂ Me-Bn |
| 600 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-SO ₂ NH ₂ -Bn |
| 601 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-CN-Bn |
| 602 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4- ^t Bu-Bn |
| 603 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | piperonyl |
| 604 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3,4-(OMe) ₂ -Bn |
| 605 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3,4-Cl ₂ -Bn |
| 606 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₂ -(4-Cl-Ph) |
| 607 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₂ -(3,4-(OMe) ₂ -Ph) |
| 608 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₂ -Ph |

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|-----------------|---|---|---|----|---------------------------------------------------|
| 609 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₃ -Ph |
| 610 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₄ -Ph |
| 611 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | COPh |
| 612 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 1-Nap |
| 613 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Nap |
| 614 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(1-Nap) |
| 615 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(2-Nap) |
| 616 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 2-Py |
| 617 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 3-Py |
| 618 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | 4-Py |
| 619 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(2-Py) |
| 620 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(3-Py) |
| 621 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(4-Py) |
| 622 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₂ -(2-Py) |
| 623 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | furan-3-yl |
| 624 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | thiophene-3-yl |
| 625 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(thiophene-3-yl) |
| 626 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(furan-3-yl) |
| 627 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | CH ₂ -(thiophene-2-yl) |
| 628 | 4,5-(OMe) ₂ | NH ₂ | - | S | H | 4' | (CH ₂) ₂ -(thiophene-2-yl) |
| 629 | 5-NO ₂ | NH ₂ | - | O | H | 4' | Ph |
| 630 | 4-OCH ₂ Ph | NH ₂ | - | O | H | 4' | Ph |
| 631 | 4-OMe | NH ₂ | - | O | H | 4' | Ph |
| 632 | 4-OH | NH ₂ | - | O | H | 4' | Ph |
| 633 | 4-Me | NH ₂ | - | O | H | 4' | Ph |
| 634 | 4-Br | NH ₂ | - | O | H | 4' | Ph |
| 635 | 5-Cl | NH ₂ | - | O | H | 4' | Ph |
| 636 | 5-Cl | NH ₂ | - | O | H | 3' | Ph |
| 637 | 5-Cl | NH ₂ | - | O | H | 2' | Ph |
| 638 | 5-Cl | NH ₂ | - | O | H | 4' | 4-F-Ph |
| 639 | 5-Cl | NH ₂ | - | O | H | 4' | 4-Ac-Ph |
| 640 | 5-Cl | NH ₂ | - | O | H | 4' | 4-OMe-Ph |
| 641 | 5-Cl | NH ₂ | - | O | H | 4' | 4-Me-Ph |
| 642 | 5-Cl | NH ₂ | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 643 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | Ph |
| 644 | 4,5-F ₂ | NH ₂ | - | O | H | 3' | Ph |
| 645 | 4,5-F ₂ | NH ₂ | - | O | H | 2' | Ph |
| 646 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | 4-F-Ph |
| 647 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | 4-Ac-Ph |
| 648 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | 4-OMe-Ph |
| 649 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | 4-Me-Ph |
| 650 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 651 | 4-Br, 5-NO ₂ | NH ₂ | - | O | H | 4' | Ph |
| 652 |  | NH ₂ | - | O | H | 4' | Ph |
| 653 |  | NH ₂ | - | O | H | 3' | Ph |

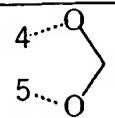
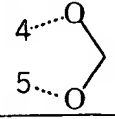
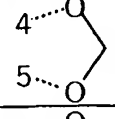
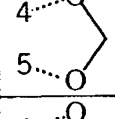
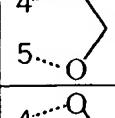
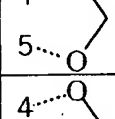
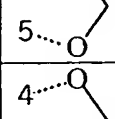
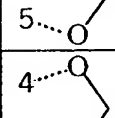
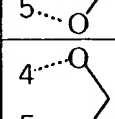
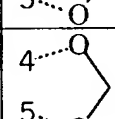
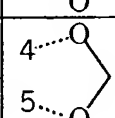
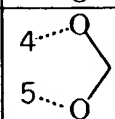
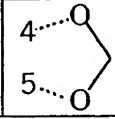

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|-----------------|---|---|---|----|------------------------------|
| 654 |  | NH ₂ | - | O | H | 2' | Ph |
| 655 |  | NH ₂ | - | O | H | 4' | 4-F-Ph |
| 656 |  | NH ₂ | - | O | H | 4' | 4-Ac-Ph |
| 657 |  | NH ₂ | - | O | H | 4' | 4-OMe-Ph |
| 658 |  | NH ₂ | - | O | H | 4' | 4-Me-Ph |
| 659 |  | NH ₂ | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 660 | 5-NO ₂ | OEt | - | O | H | 4' | Ph |
| 661 | 4-OCH ₂ Ph | OEt | - | O | H | 4' | Ph |
| 662 | 4-OMe | OEt | - | O | H | 4' | Ph |
| 663 | 4-OH | OEt | - | O | H | 4' | Ph |
| 664 | 4-Me | OEt | - | O | H | 4' | Ph |
| 665 | 4-Br | OEt | - | O | H | 4' | Ph |
| 666 | 5-Cl | OEt | - | O | H | 4' | Ph |
| 667 | 5-Cl | OEt | - | O | H | 3' | Ph |
| 668 | 5-Cl | OEt | - | O | H | 2' | Ph |
| 669 | 5-Cl | OEt | - | O | H | 4' | 4-F-Ph |
| 670 | 5-Cl | OEt | - | O | H | 4' | 4-Ac-Ph |
| 671 | 5-Cl | OEt | - | O | H | 4' | 4-OMe-Ph |
| 672 | 5-Cl | OEt | - | O | H | 4' | 4-Me-Ph |
| 673 | 5-Cl | OEt | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 674 | 4,5-F ₂ | OEt | - | O | H | 4' | Ph |
| 675 | 4,5-F ₂ | OEt | - | O | H | 3' | Ph |
| 676 | 4,5-F ₂ | OEt | - | O | H | 2' | Ph |
| 677 | 4,5-F ₂ | OEt | - | O | H | 4' | 4-F-Ph |
| 678 | 4,5-F ₂ | OEt | - | O | H | 4' | 4-Ac-Ph |
| 679 | 4,5-F ₂ | OEt | - | O | H | 4' | 4-OMe-Ph |
| 680 | 4,5-F ₂ | OEt | - | O | H | 4' | 4-Me-Ph |
| 681 | 4,5-F ₂ | OEt | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 682 | 4-Br, 5-NO ₂ | OEt | - | O | H | 4' | Ph |
| 683 |  | OEt | - | O | H | 4' | Ph |

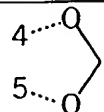
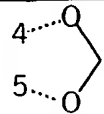
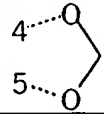
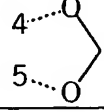
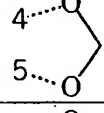
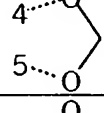
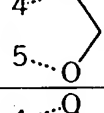
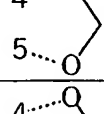
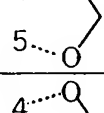
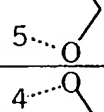
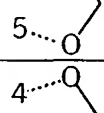
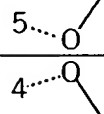
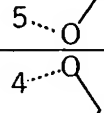
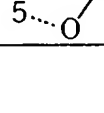
| | | | | | | | |
|-----|------------------------------------------------------------------------------------|-----|---|---|-----------------------|----|------------------------------|
| 684 |  | OEt | - | O | H | 3' | Ph |
| 685 |  | OEt | - | O | H | 2' | Ph |
| 686 |  | OEt | - | O | H | 4' | 4-F-Ph |
| 687 |  | OEt | - | O | H | 4' | 4-Ac-Ph |
| 688 |  | OEt | - | O | H | 4' | 4-OMe-Ph |
| 689 |  | OEt | - | O | H | 4' | 4-Me-Ph |
| 690 |  | OEt | - | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 691 | 4,5-(OMe) ₂ | OEt | - | O | H | 3' | Ph |
| 692 | 4,5-(OMe) ₂ | OEt | - | O | H | 2' | Ph |
| 693 | 4,5-(OMe) ₂ | OEt | - | O | 3'-OMe | 4' | Ph |
| 694 | 4,5-(OMe) ₂ | OEt | - | O | 4'-OMe | 3' | Ph |
| 695 | 4,5-(OMe) ₂ | OEt | - | O | 4'-OH | 3' | Ph |
| 696 | 4,5-(OMe) ₂ | OEt | - | O | 3'-O-n-Bu | 4' | Ph |
| 697 | 4,5-(OMe) ₂ | OEt | - | O | 5'-F | 3' | Ph |
| 698 | 4,5-(OMe) ₂ | OEt | - | O | 5'-F | 4' | Ph |
| 699 | 4,5-(OMe) ₂ | OEt | - | O | 2'-OMe | 4' | Ph |
| 700 | 4,5-(OMe) ₂ | OEt | - | O | 2'-OH | 4' | Ph |
| 701 | 4,5-(OMe) ₂ | OEt | - | O | 6'-OMe | 2' | Ph |
| 702 | 4,5-(OMe) ₂ | OEt | - | O | 6'-OH | 2' | Ph |
| 703 | 4,5-(OMe) ₂ | OEt | - | O | 2'-Me, 5'-OMe | 4' | Ph |
| 704 | 4,5-(OMe) ₂ | OEt | - | O | 2'-Me, 5'-OH | 4' | Ph |
| 705 | 4,5-(OMe) ₂ | OEt | - | O | 4'-SMe | 3' | Ph |
| 706 | 4,5-(OMe) ₂ | OEt | - | O | 3'-SMe | 4' | Ph |
| 707 | 4,5-(OMe) ₂ | OEt | - | O | 3',5'-Me ₂ | 4' | Ph |
| 708 | 4,5-(OMe) ₂ | OEt | - | O | 2',5'-Me ₂ | 4' | Ph |
| 709 | 4,5-(OMe) ₂ | OEt | - | O | 3',5'-Cl ₂ | 4' | Ph |
| 710 | 4,5-(OMe) ₂ | OEt | - | O | 2',5'-Cl ₂ | 3' | Ph |
| 711 | 4,5-(OMe) ₂ | OEt | - | O | 3'-Me | 4' | Ph |
| 712 | 4,5-(OMe) ₂ | OEt | - | O | 4'-Me | 3' | Ph |
| 713 | 4,5-(OMe) ₂ | OEt | - | O | 4'-Cl | 3' | Ph |

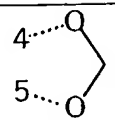
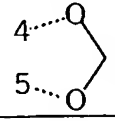
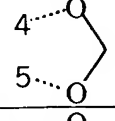
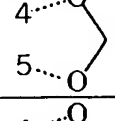
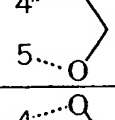
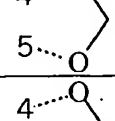
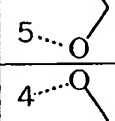
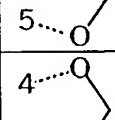
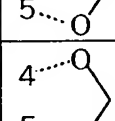
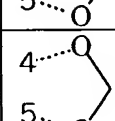
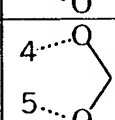
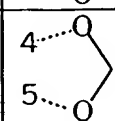
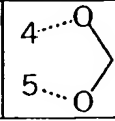

| | | | | | | | |
|-----|------------------------|------------------|---------------------------------|---|----------------------------------------------------|----|----|
| 714 | 4,5-(OMe) ₂ | OEt | — | O | 4'-O(CH ₂) ₂ -N-morpholinyl | 3' | Ph |
| 715 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 4' | Ph |
| 716 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 3' | Ph |
| 717 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 2' | Ph |
| 718 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | Ph |
| 719 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | Ph |
| 720 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | Ph |
| 721 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | Ph |
| 722 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | Ph |
| 723 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | Ph |
| 724 | 4,5-(OMe) ₂ | NH ₂ | — | O | H | 3' | Ph |
| 725 | 4,5-(OMe) ₂ | NH ₂ | — | O | H | 2' | Ph |
| 726 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3'-OMe | 4' | Ph |
| 727 | 4,5-(OMe) ₂ | NH ₂ | — | O | 4'-OMe | 3' | Ph |
| 728 | 4,5-(OMe) ₂ | NH ₂ | — | O | 4'-OH | 3' | Ph |
| 729 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3'-O-n-Bu | 4' | Ph |
| 730 | 4,5-(OMe) ₂ | NH ₂ | — | O | 5'-F | 3' | Ph |
| 731 | 4,5-(OMe) ₂ | NH ₂ | — | O | 5'-F | 4' | Ph |
| 732 | 4,5-(OMe) ₂ | NH ₂ | — | O | 2'-OMe | 4' | Ph |
| 733 | 4,5-(OMe) ₂ | NH ₂ | — | O | 2'-OH | 4' | Ph |
| 734 | 4,5-(OMe) ₂ | NH ₂ | — | O | 6'-OMe | 2' | Ph |
| 735 | 4,5-(OMe) ₂ | NH ₂ | — | O | 6'-OH | 2' | Ph |
| 736 | 4,5-(OMe) ₂ | NH ₂ | — | O | 2'-Me, 5'-OMe | 4' | Ph |
| 737 | 4,5-(OMe) ₂ | NH ₂ | — | O | 2'-Me, 5'-OH | 4' | Ph |
| 738 | 4,5-(OMe) ₂ | NH ₂ | — | O | 4'-SMe | 3' | Ph |
| 739 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3'-SMe | 4' | Ph |
| 740 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3',5'-Me ₂ | 4' | Ph |
| 741 | 4,5-(OMe) ₂ | NH ₂ | — | O | 2',5'-Me ₂ | 4' | Ph |
| 742 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3',5'-Cl ₂ | 4' | Ph |
| 743 | 4,5-(OMe) ₂ | NH ₂ | — | O | 2',5'-Cl ₂ | 3' | Ph |
| 744 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3'-Me | 4' | Ph |
| 745 | 4,5-(OMe) ₂ | NH ₂ | — | O | 4'-Me | 3' | Ph |
| 746 | 4,5-(OMe) ₂ | NH ₂ | — | O | 4'-Cl | 3' | Ph |
| 747 | 4,5-(OMe) ₂ | NH ₂ | — | O | 4'-O(CH ₂) ₂ -N-morpholinyl | 3' | Ph |
| 748 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 4' | Ph |
| 749 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 3' | Ph |
| 750 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 2' | Ph |
| 751 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | Ph |
| 752 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | Ph |
| 753 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | Ph |
| 754 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | Ph |
| 755 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | Ph |
| 756 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | Ph |
| 757 | 4,5-(OMe) ₂ | NHMe | — | O | H | 4' | Ph |
| 758 | 4,5-(OMe) ₂ | NMe ₂ | — | O | H | 4' | Ph |

| | | | | | | | |
|-----|------------------------|-----------------------------------------------------------------------------------|---------------------------------|---|-------|----|------------------------------|
| 759 | 4,5-(OMe) ₂ | OMe | — | O | H | 4' | Ph |
| 760 | 4,5-(OMe) ₂ | OH | — | O | H | 4' | Ph |
| 761 | 4,5-(OMe) ₂ |  | — | O | H | 4' | Ph |
| 762 | 4,5-(OMe) ₂ |  | — | O | H | 4' | Ph |
| 763 | 4,5-(OMe) ₂ | OEt | — | O | H | 3' | 3-Py |
| 764 | 4,5-(OMe) ₂ | OEt | — | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 765 | 4,5-(OMe) ₂ | OEt | — | O | H | 3' | 4-Ac-Ph |
| 766 | 4,5-(OMe) ₂ | OEt | — | O | H | 3' | 4-NH ₂ -Ph |
| 767 | 4,5-(OMe) ₂ | OEt | — | O | 3-OMe | 4' | 3-Py |
| 768 | 4,5-(OMe) ₂ | OEt | — | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 769 | 4,5-(OMe) ₂ | OEt | — | O | 3-OMe | 4' | 4-Ac-Ph |
| 770 | 4,5-(OMe) ₂ | OEt | — | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 771 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 3' | 3-Py |
| 772 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 773 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 3' | 4-Ac-Ph |
| 774 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 775 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 3-Py |
| 776 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 777 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 778 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 779 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 780 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 781 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-Ac-Ph |
| 782 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 783 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 3-Py |
| 784 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 785 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 786 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 787 | 4,5-(OMe) ₂ | NH ₂ | — | O | H | 3' | 3-Py |
| 788 | 4,5-(OMe) ₂ | NH ₂ | — | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 789 | 4,5-(OMe) ₂ | NH ₂ | — | O | H | 3' | 4-Ac-Ph |
| 790 | 4,5-(OMe) ₂ | NH ₂ | — | O | H | 3' | 4-NH ₂ -Ph |
| 791 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3-OMe | 4' | 3-Py |
| 792 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 793 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3-OMe | 4' | 4-Ac-Ph |
| 794 | 4,5-(OMe) ₂ | NH ₂ | — | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 795 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 3' | 3-Py |
| 796 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 797 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 3' | 4-Ac-Ph |
| 798 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 799 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 3-Py |
| 800 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 801 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 802 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 803 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 804 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |

| | | | | | | | |
|-----|------------------------|-----------------|---------------------------------|---|-------|----|------------------------------|
| 805 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Ac-Ph |
| 806 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 807 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 3-Py |
| 808 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 809 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 810 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 811 | 4,5-F ₂ | OEt | - | O | H | 3' | 3-Py |
| 812 | 4,5-F ₂ | OEt | - | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 813 | 4,5-F ₂ | OEt | - | O | H | 3' | 4-Ac-Ph |
| 814 | 4,5-F ₂ | OEt | - | O | H | 3' | 4-NH ₂ -Ph |
| 815 | 4,5-F ₂ | OEt | - | O | 3-OMe | 4' | 3-Py |
| 816 | 4,5-F ₂ | OEt | - | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 817 | 4,5-F ₂ | OEt | - | O | 3-OMe | 4' | 4-Ac-Ph |
| 818 | 4,5-F ₂ | OEt | - | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 819 | 4,5-F ₂ | OEt | CH ₂ | O | H | 3' | 3-Py |
| 820 | 4,5-F ₂ | OEt | CH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 821 | 4,5-F ₂ | OEt | CH ₂ | O | H | 3' | 4-Ac-Ph |
| 822 | 4,5-F ₂ | OEt | CH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 823 | 4,5-F ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 3-Py |
| 824 | 4,5-F ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 825 | 4,5-F ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 826 | 4,5-F ₂ | OEt | CH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 827 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 828 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 829 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-Ac-Ph |
| 830 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 831 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 3-Py |
| 832 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 833 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 834 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 835 | 4,5-F ₂ | NH ₂ | - | O | H | 3' | 3-Py |
| 836 | 4,5-F ₂ | NH ₂ | - | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 837 | 4,5-F ₂ | NH ₂ | - | O | H | 3' | 4-Ac-Ph |
| 838 | 4,5-F ₂ | NH ₂ | - | O | H | 3' | 4-NH ₂ -Ph |
| 839 | 4,5-F ₂ | NH ₂ | - | O | 3-OMe | 4' | 3-Py |
| 840 | 4,5-F ₂ | NH ₂ | - | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 841 | 4,5-F ₂ | NH ₂ | - | O | 3-OMe | 4' | 4-Ac-Ph |
| 842 | 4,5-F ₂ | NH ₂ | - | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 843 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 3' | 3-Py |
| 844 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 845 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 3' | 4-Ac-Ph |
| 846 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 847 | 4,5-F ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 3-Py |
| 848 | 4,5-F ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 849 | 4,5-F ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 850 | 4,5-F ₂ | NH ₂ | CH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 851 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 852 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 853 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Ac-Ph |
| 854 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 855 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 3-Py |
| 856 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 857 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 858 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|-----|-----------------|---|-------|----|------------------------------|
| 859 |  | OEt | - | O | H | 3' | 3-Py |
| 860 |  | OEt | - | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 861 |  | OEt | - | O | H | 3' | 4-Ac-Ph |
| 862 |  | OEt | - | O | H | 3' | 4-NH ₂ -Ph |
| 863 |  | OEt | - | O | 3-OMe | 4' | 3-Py |
| 864 |  | OEt | - | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 865 |  | OEt | - | O | 3-OMe | 4' | 4-Ac-Ph |
| 866 |  | OEt | - | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 867 |  | OEt | CH ₂ | O | H | 3' | 3-Py |
| 868 |  | OEt | CH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 869 |  | OEt | CH ₂ | O | H | 3' | 4-Ac-Ph |
| 870 |  | OEt | CH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 871 |  | OEt | CH ₂ | O | 3-OMe | 4' | 3-Py |
| 872 |  | OEt | CH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|-----------------|---------------------------------|---|-------|----|------------------------------|
| 873 |  | OEt | CH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 874 |  | OEt | CH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 875 |  | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 876 |  | OEt | (CH ₂) ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 877 |  | OEt | (CH ₂) ₂ | O | H | 3' | 4-Ac-Ph |
| 878 |  | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 879 |  | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 3-Py |
| 880 |  | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 881 |  | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 882 |  | OEt | (CH ₂) ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 883 |  | NH ₂ | — | O | H | 3' | 3-Py |
| 884 |  | NH ₂ | — | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 885 |  | NH ₂ | — | O | H | 3' | 4-Ac-Ph |
| 886 |  | NH ₂ | — | O | H | 3' | 4-NH ₂ -Ph |

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|-----------------|---------------------------------|---|-------|----|------------------------------|
| 887 |  | NH ₂ | - | O | 3-OMe | 4' | 3-Py |
| 888 |  | NH ₂ | - | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 889 |  | NH ₂ | - | O | 3-OMe | 4' | 4-Ac-Ph |
| 890 |  | NH ₂ | - | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 891 |  | NH ₂ | CH ₂ | O | H | 3' | 3-Py |
| 892 |  | NH ₂ | CH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 893 |  | NH ₂ | CH ₂ | O | H | 3' | 4-Ac-Ph |
| 894 |  | NH ₂ | CH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 895 |  | NH ₂ | CH ₂ | O | 3-OMe | 4' | 3-Py |
| 896 |  | NH ₂ | CH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 897 |  | NH ₂ | CH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 898 |  | NH ₂ | CH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 899 |  | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 900 |  | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |

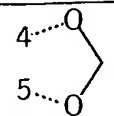
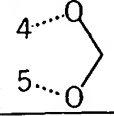
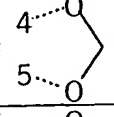
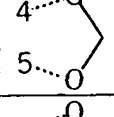
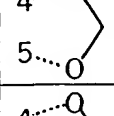
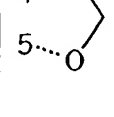
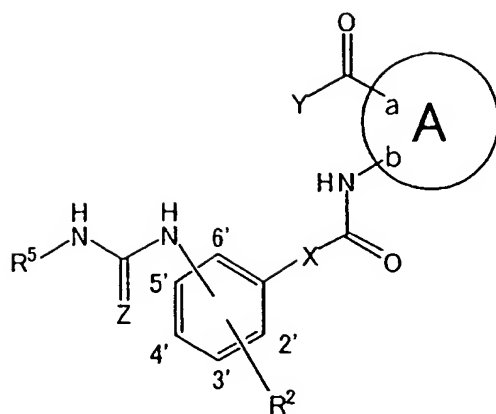
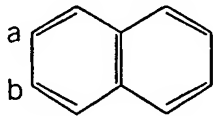
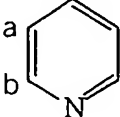
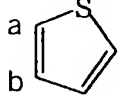
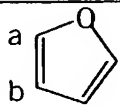
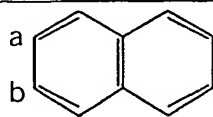
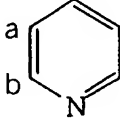
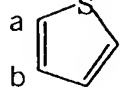
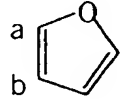
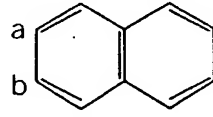
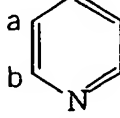
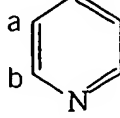
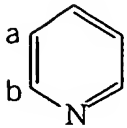
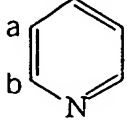
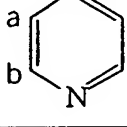
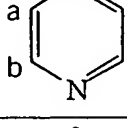
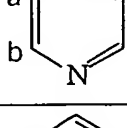
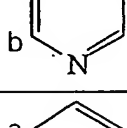
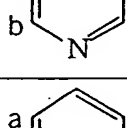
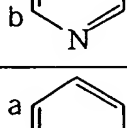
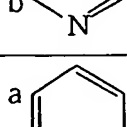
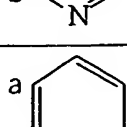
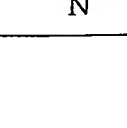
| | | | | | | | |
|-----|-----------------------------------------------------------------------------------|-----------------|---------------------------------|---|-------|----|------------------------------|
| 901 |  | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Ac-Ph |
| 902 |  | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 903 |  | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 3-Py |
| 904 |  | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 905 |  | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 906 |  | NH ₂ | (CH ₂) ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |

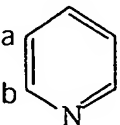
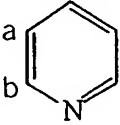
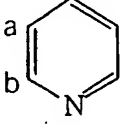
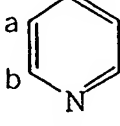
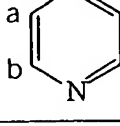
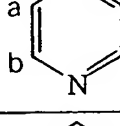
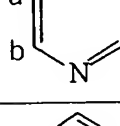
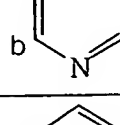
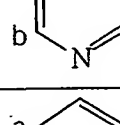
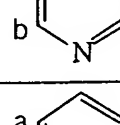
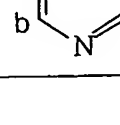
表 2

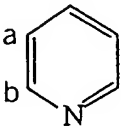
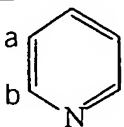
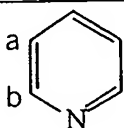
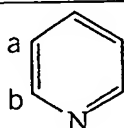
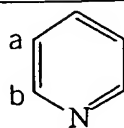
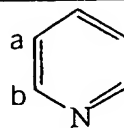
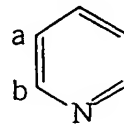
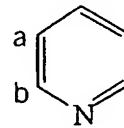
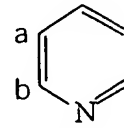
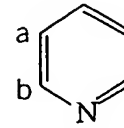
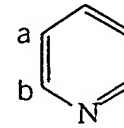


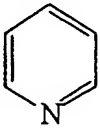
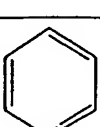
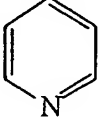
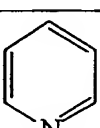
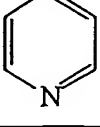
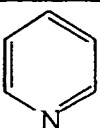
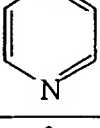
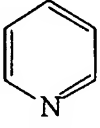
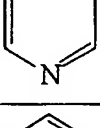
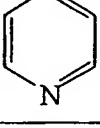
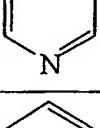
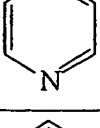
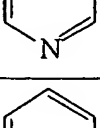
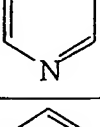
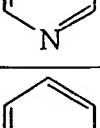
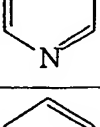
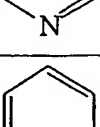
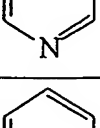
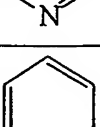
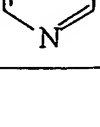
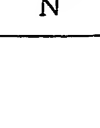

| 化合物 番号 | A | X | Y | Z | R^2 | ウレア 位置 | R^5 |
|-----------|---|---|-----------------|---|-------|-----------|-------|
| 907 | | - | OEt | O | H | 4' | Ph |
| 908 | | - | OEt | O | H | 4' | Ph |
| 909 | | - | OEt | O | H | 4' | Ph |
| 910 | | - | OEt | O | H | 4' | Ph |
| 911 | | - | NH ₂ | O | H | 3' | Ph |
| 912 | | - | NH ₂ | O | H | 3' | Ph |
| 913 | | - | NH ₂ | O | H | 3' | Ph |

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|---|-----------------|---|---|----|------------------------------|
| 914 |  | - | NH ₂ | O | H | 3' | Ph |
| 915 |  | - | NH ₂ | O | H | 4' | Ph |
| 916 |  | - | NH ₂ | O | H | 4' | Ph |
| 917 |  | - | NH ₂ | O | H | 4' | Ph |
| 918 |  | - | NH ₂ | O | H | 4' | Ph |
| 919 |  | - | OEt | O | H | 3' | Ph |
| 920 |  | - | OEt | O | H | 3' | Ph |
| 921 |  | - | OEt | O | H | 3' | Ph |
| 922 |  | - | OEt | O | H | 3' | Ph |
| 923 |  | - | OEt | O | H | 3' | 3-Py |
| 924 |  | - | OEt | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |

| | | | | | | | |
|-----|-------------------------------------------------------------------------------------|-----------------|-----|---|-------|----|------------------------------|
| 925 |  | - | OEt | O | H | 3' | 4-Ac-Ph |
| 926 |  | - | OEt | O | H | 3' | 4-NH ₂ -Ph |
| 927 |  | - | OEt | O | 3-OMe | 4' | 3-Py |
| 928 |  | - | OEt | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 929 |  | - | OEt | O | 3-OMe | 4' | 4-Ac-Ph |
| 930 |  | - | OEt | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 931 |  | CH ₂ | OEt | O | H | 3' | 3-Py |
| 932 |  | CH ₂ | OEt | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 933 |  | CH ₂ | OEt | O | H | 3' | 4-Ac-Ph |
| 934 |  | CH ₂ | OEt | O | H | 3' | 4-NH ₂ -Ph |
| 935 |  | CH ₂ | OEt | O | 3-OMe | 4' | 3-Py |

| | | | | | | | |
|-----|--------------------------------------------------------------------------------------------|---------------------------------|-----|---|-------|----|------------------------------|
| 936 | a  b | CH ₂ | OEt | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 937 | a  b | CH ₂ | OEt | O | 3-OMe | 4' | 4-Ac-Ph |
| 938 | a  b | CH ₂ | OEt | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 939 | a  b | (CH ₂) ₂ | OEt | O | H | 3' | 3-Py |
| 940 | a  b | (CH ₂) ₂ | OEt | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 941 | a  b | (CH ₂) ₂ | OEt | O | H | 3' | 4-Ac-Ph |
| 942 | a  b | (CH ₂) ₂ | OEt | O | H | 3' | 4-NH ₂ -Ph |
| 943 | a  b | (CH ₂) ₂ | OEt | O | 3-OMe | 4' | 3-Py |
| 944 | a  b | (CH ₂) ₂ | OEt | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 945 | a  b | (CH ₂) ₂ | OEt | O | 3-OMe | 4' | 4-Ac-Ph |
| 946 | a  b | (CH ₂) ₂ | OEt | O | 3-OMe | 4' | 4-NH ₂ -Ph |

| | | | | | | | |
|-----|--------------------------------------------------------------------------------------------|-----------------|-----------------|---|-------|----|------------------------------|
| 947 | a  b | - | NH ₂ | O | H | 3' | 3-Py |
| 948 | a  b | - | NH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 949 | a  b | - | NH ₂ | O | H | 3' | 4-Ac-Ph |
| 950 | a  b | - | NH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 951 | a  b | - | NH ₂ | O | 3-OMe | 4' | 3-Py |
| 952 | a  b | - | NH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 953 | a  b | - | NH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 954 | a  b | - | NH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 955 | a  b | CH ₂ | NH ₂ | O | H | 3' | 3-Py |
| 956 | a  b | CH ₂ | NH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 957 | a  b | CH ₂ | NH ₂ | O | H | 3' | 4-Ac-Ph |

| | | | | | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------|---|-------|----|------------------------------|
| 958 | a  b  | CH ₂ | NH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 959 | a  b  | CH ₂ | NH ₂ | O | 3-OMe | 4' | 3-Py |
| 960 | a  b  | CH ₂ | NH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |
| 961 | a  b  | CH ₂ | NH ₂ | O | 3-OMe | 4' | 4-Ac-Ph |
| 962 | a  b  | CH ₂ | NH ₂ | O | 3-OMe | 4' | 4-NH ₂ -Ph |
| 963 | a  b  | (CH ₂) ₂ | NH ₂ | O | H | 3' | 3-Py |
| 964 | a  b  | (CH ₂) ₂ | NH ₂ | O | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 965 | a  b  | (CH ₂) ₂ | NH ₂ | O | H | 3' | 4-Ac-Ph |
| 966 | a  b  | (CH ₂) ₂ | NH ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 967 | a  b  | (CH ₂) ₂ | NH ₂ | O | 3-OMe | 4' | 3-Py |
| 968 | a  b  | (CH ₂) ₂ | NH ₂ | O | 3-OMe | 4' | 3,4,5-(OMe) ₃ -Ph |

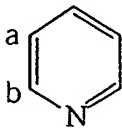
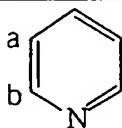
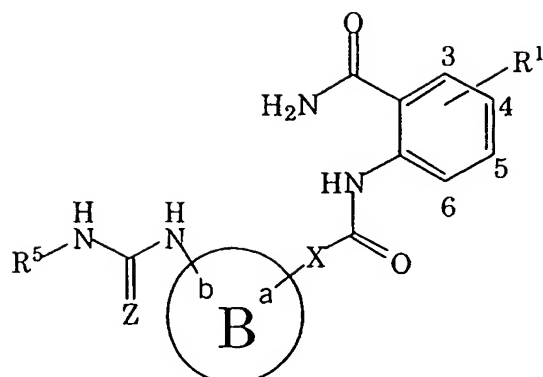
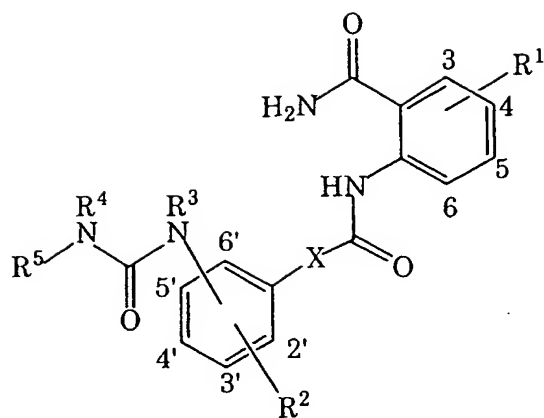
| | | | | | | | |
|-----|-----------------------------------------------------------------------------------|-------------------|---------------|---|-------|----|-----------------------|
| 969 |  | $(\text{CH}_2)_2$ | NH_2 | O | 3-OMe | 4' | 4-Ac-Ph |
| 970 |  | $(\text{CH}_2)_2$ | NH_2 | O | 3-OMe | 4' | 4-NH ₂ -Ph |

表 3



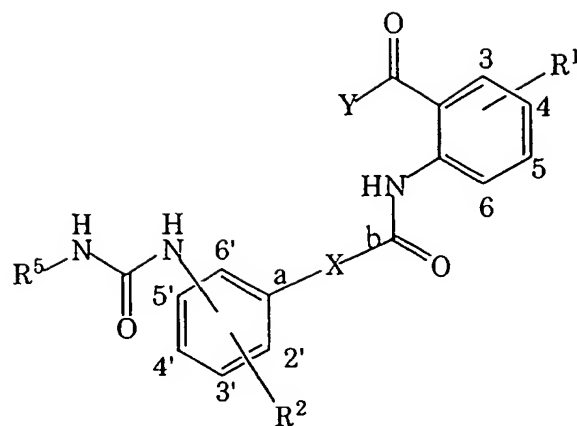
| 化合物 番号 | B | X | Z | R ¹ | R ⁵ |
|-----------|---|---|---|----------------------------|----------------|
| 971 | | - | O | 4,5- (OMe) ₂ | Ph |
| 972 | | - | O | 4,5- (OMe) ₂ | Ph |
| 973 | | - | O | 4,5- (OMe) ₂ | Ph |
| 974 | | - | O | 4,5- (OMe) ₂ | Ph |
| 975 | | - | O | 4,5- (OMe) ₂ | Ph |

表 4

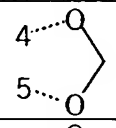
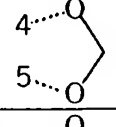
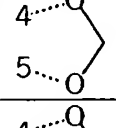
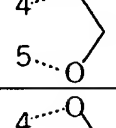
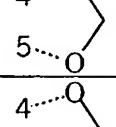
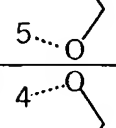
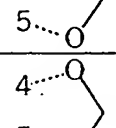
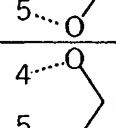
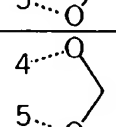
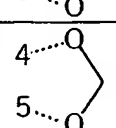
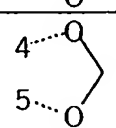



| 化合物 番号 | R ¹ | X | R ³ | R ⁴ | R ² | ウレア 位置 | R ⁵ |
|-----------|------------------------|---|----------------|----------------|----------------|-----------|----------------|
| 976 | 4,5-(OMe) ₂ | — | Me | H | H | 4' | Ph |
| 977 | 4,5-(OMe) ₂ | — | H | Me | H | 4' | Ph |
| 978 | 4,5-(OMe) ₂ | — | Me | Me | H | 4' | Ph |

表 5



| 化合物 番号 | R ¹ | X | Y | R ² | ウレア 位置 | R ⁵ |
|-----------|------------------------|-----------------------|-----------------|----------------|-----------|------------------------------|
| 979 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 4' | Ph |
| 980 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 981 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 4' | 4-Ac-Ph |
| 982 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 4' | 4-NH ₂ -Ph |
| 983 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 4' | 3-Py |
| 984 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 3' | Ph |
| 985 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 986 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 3' | 4-Ac-Ph |
| 987 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 3' | 4-NH ₂ -Ph |
| 988 | 4,5-(OMe) ₂ | a-OCH ₂ -b | OEt | H | 3' | 3-Py |
| 989 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | Ph |
| 990 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 991 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 4-Ac-Ph |
| 992 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 4-NH ₂ -Ph |
| 993 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 3-Py |
| 994 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | Ph |
| 995 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 996 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 4-Ac-Ph |
| 997 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 4-NH ₂ -Ph |
| 998 | 4,5-(OMe) ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 3-Py |
| 999 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 4' | Ph |
| 1000 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1001 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 4' | 4-Ac-Ph |
| 1002 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 4' | 4-NH ₂ -Ph |
| 1003 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 4' | 3-Py |
| 1004 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 3' | Ph |
| 1005 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 1006 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 3' | 4-Ac-Ph |
| 1007 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 3' | 4-NH ₂ -Ph |
| 1008 | 4,5-F ₂ | a-OCH ₂ -b | OEt | H | 3' | 3-Py |
| 1009 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | Ph |
| 1010 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1011 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 4-Ac-Ph |

| | | | | | | |
|------|-------------------------------------------------------------------------------------|-----------------------|-----------------|---|----|------------------------------|
| 1012 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 4-NH ₂ -Ph |
| 1013 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 4' | 3-Py |
| 1014 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | Ph |
| 1015 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 1016 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 4-Ac-Ph |
| 1017 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 4-NH ₂ -Ph |
| 1018 | 4,5-F ₂ | a-OCH ₂ -b | NH ₂ | H | 3' | 3-Py |
| 1019 |  | a-OCH ₂ -b | OEt | H | 4' | Ph |
| 1020 |  | a-OCH ₂ -b | OEt | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1021 |  | a-OCH ₂ -b | OEt | H | 4' | 4-Ac-Ph |
| 1022 |  | a-OCH ₂ -b | OEt | H | 4' | 4-NH ₂ -Ph |
| 1023 |  | a-OCH ₂ -b | OEt | H | 4' | 3-Py |
| 1024 |  | a-OCH ₂ -b | OEt | H | 3' | Ph |
| 1025 |  | a-OCH ₂ -b | OEt | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 1026 |  | a-OCH ₂ -b | OEt | H | 3' | 4-Ac-Ph |
| 1027 |  | a-OCH ₂ -b | OEt | H | 3' | 4-NH ₂ -Ph |
| 1028 |  | a-OCH ₂ -b | OEt | H | 3' | 3-Py |
| 1029 |  | a-OCH ₂ -b | NH ₂ | H | 4' | Ph |
| 1030 |  | a-OCH ₂ -b | NH ₂ | H | 4' | 3,4,5-(OMe) ₃ -Ph |

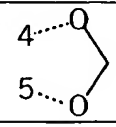
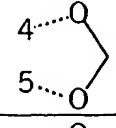
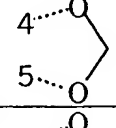
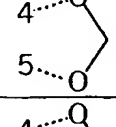
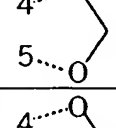
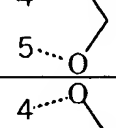
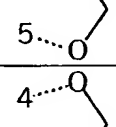
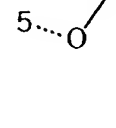
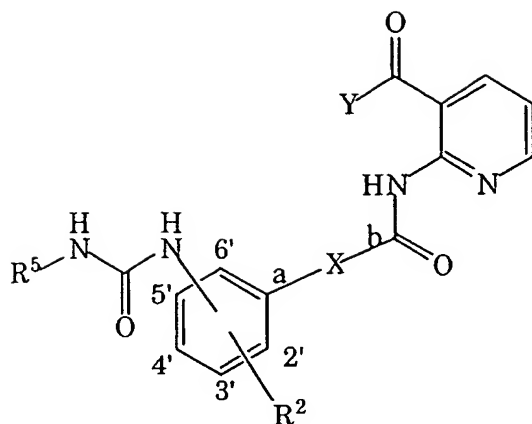
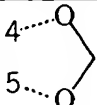
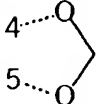
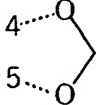
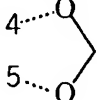
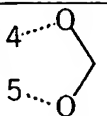
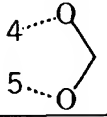
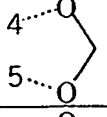
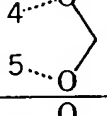
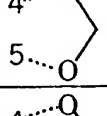
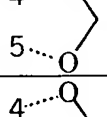
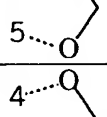
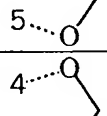
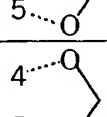
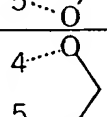
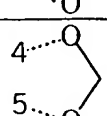
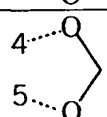
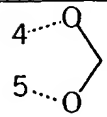

| | | | | | | |
|------|-------------------------------------------------------------------------------------|-----------------------|-----------------|---|----|------------------------------|
| 1031 |  | a-OCH ₂ -b | NH ₂ | H | 4' | 4-Ac-Ph |
| 1032 |  | a-OCH ₂ -b | NH ₂ | H | 4' | 4-NH ₂ -Ph |
| 1033 |  | a-OCH ₂ -b | NH ₂ | H | 4' | 3-Py |
| 1034 |  | a-OCH ₂ -b | NH ₂ | H | 3' | Ph |
| 1035 |  | a-OCH ₂ -b | NH ₂ | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 1036 |  | a-OCH ₂ -b | NH ₂ | H | 3' | 4-Ac-Ph |
| 1037 |  | a-OCH ₂ -b | NH ₂ | H | 3' | 4-NH ₂ -Ph |
| 1038 |  | a-OCH ₂ -b | NH ₂ | H | 3' | 3-Py |

表 6



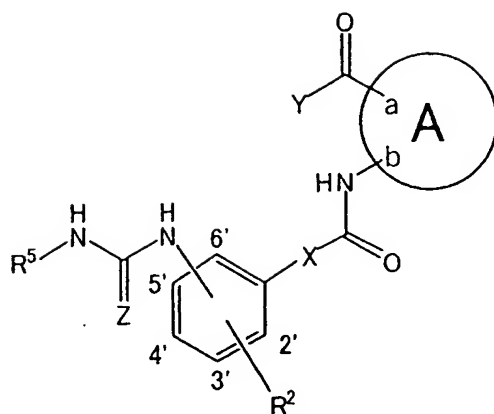
| 化合物 番号 | X | Y | R ² | ウレア 位置 | R ⁵ |
|-----------|-----------------------|-----------------|----------------|-----------|------------------------------|
| 1039 | a-OCH ₂ -b | OEt | H | 4' | Ph |
| 1040 | a-OCH ₂ -b | OEt | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1041 | a-OCH ₂ -b | OEt | H | 4' | 4-Ac-Ph |
| 1042 | a-OCH ₂ -b | OEt | H | 4' | 4-NH ₂ -Ph |
| 1043 | a-OCH ₂ -b | OEt | H | 4' | 3-Py |
| 1044 | a-OCH ₂ -b | OEt | H | 3' | Ph |
| 1045 | a-OCH ₂ -b | OEt | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 1046 | a-OCH ₂ -b | OEt | H | 3' | 4-Ac-Ph |
| 1047 | a-OCH ₂ -b | OEt | H | 3' | 4-NH ₂ -Ph |
| 1048 | a-OCH ₂ -b | OEt | H | 3' | 3-Py |
| 1049 | a-OCH ₂ -b | NH ₂ | H | 4' | Ph |
| 1050 | a-OCH ₂ -b | NH ₂ | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1051 | a-OCH ₂ -b | NH ₂ | H | 4' | 4-Ac-Ph |
| 1052 | a-OCH ₂ -b | NH ₂ | H | 4' | 4-NH ₂ -Ph |
| 1053 | a-OCH ₂ -b | NH ₂ | H | 4' | 3-Py |
| 1054 | a-OCH ₂ -b | NH ₂ | H | 3' | Ph |
| 1055 | a-OCH ₂ -b | NH ₂ | H | 3' | 3,4,5-(OMe) ₃ -Ph |
| 1056 | a-OCH ₂ -b | NH ₂ | H | 3' | 4-Ac-Ph |
| 1057 | a-OCH ₂ -b | NH ₂ | H | 3' | 4-NH ₂ -Ph |
| 1058 | a-OCH ₂ -b | NH ₂ | H | 3' | 3-Py |

| 化合物 番号 | R ¹ | Y | X | Z | R ² | ウレア 位置 | R ⁵ |
|-----------|-------------------------------------------------------------------------------------|-----------------|---------------------------------|---|----------------|-----------|------------------------------|
| 1059 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 4' | 3-Py |
| 1060 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1061 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 4' | 4-Ac-Ph |
| 1062 | 4,5-(OMe) ₂ | OEt | CH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1063 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 4' | 3-Py |
| 1064 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1065 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 4' | 4-Ac-Ph |
| 1066 | 4,5-(OMe) ₂ | NH ₂ | CH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1067 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1068 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1069 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-Ac-Ph |
| 1070 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1071 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1072 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1073 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Ac-Ph |
| 1074 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1075 |  | OEt | - | O | H | 4' | 3-Py |
| 1076 |  | OEt | CH ₂ | O | H | 4' | 3-Py |
| 1077 |  | OEt | CH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1078 |  | OEt | CH ₂ | O | H | 4' | 4-Ac-Ph |

| | | | | | | | |
|------|-------------------------------------------------------------------------------------|-----------------|---------------------------------|---|---|----|------------------------------|
| 1079 |  | OEt | CH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1080 |  | NH ₂ | CH ₂ | O | H | 4' | 3-Py |
| 1081 |  | NH ₂ | - | O | H | 4' | 3-Py |
| 1082 |  | NH ₂ | CH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1083 |  | NH ₂ | CH ₂ | O | H | 4' | 4-Ac-Ph |
| 1084 |  | NH ₂ | CH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1085 |  | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1086 |  | OEt | (CH ₂) ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1087 |  | OEt | (CH ₂) ₂ | O | H | 4' | 4-Ac-Ph |
| 1088 |  | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1089 |  | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1090 |  | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1091 |  | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Ac-Ph |
| 1092 |  | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |

| | | | | | | | |
|------|--------------------|-----------------|---------------------------------|---|---|----|------------------------------|
| 1093 | 4,5-F ₂ | OEt | CH ₂ | O | H | 4' | 3-Py |
| 1094 | 4,5-F ₂ | OEt | - | O | H | 4' | 3-Py |
| 1095 | 4,5-F ₂ | OEt | CH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1096 | 4,5-F ₂ | OEt | CH ₂ | O | H | 4' | 4-Ac-Ph |
| 1097 | 4,5-F ₂ | OEt | CH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1098 | 4,5-F ₂ | NH ₂ | - | O | H | 4' | 3-Py |
| 1099 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 4' | 3-Py |
| 1100 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1101 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 4' | 4-Ac-Ph |
| 1102 | 4,5-F ₂ | NH ₂ | CH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1103 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1104 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1105 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-Ac-Ph |
| 1106 | 4,5-F ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1107 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1108 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1109 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Ac-Ph |
| 1110 | 4,5-F ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |

表 8



| 化合物 番号 | A | X | Y | Z | R ² | ウレア 位置 | R ⁵ |
|-----------|---|---------------------------------|-----------------|---|----------------|-----------|------------------------------|
| 1111 | | CH ₂ | OE _t | O | H | 4' | 3-Py |
| 1112 | | CH ₂ | OE _t | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1113 | | CH ₂ | OE _t | O | H | 4' | 4-Ac-Ph |
| 1114 | | CH ₂ | OE _t | O | H | 4' | 4-NH ₂ -Ph |
| 1115 | | (CH ₂) ₂ | OE _t | O | H | 4' | 3-Py |
| 1116 | | (CH ₂) ₂ | OE _t | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1117 | | (CH ₂) ₂ | OE _t | O | H | 4' | 4-Ac-Ph |

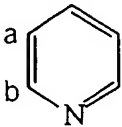
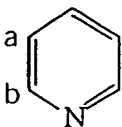
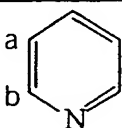
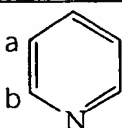
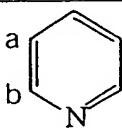
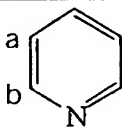
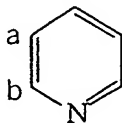
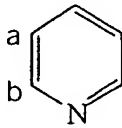
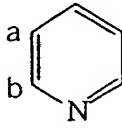
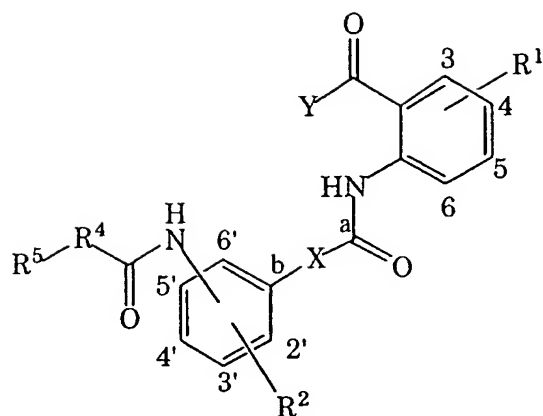























| | | | | | | | |
|------|--------------------------------------------------------------------------------------------|---------------------------------|-----------------|---|---|----|------------------------------|
| 1118 | a  b | (CH ₂) ₂ | OEt | O | H | 4' | 4-NH ₂ -Ph |
| 1119 | a  b | CH ₂ | NH ₂ | O | H | 4' | 3-Py |
| 1120 | a  b | CH ₂ | NH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1121 | a  b | CH ₂ | NH ₂ | O | H | 4' | 4-Ac-Ph |
| 1122 | a  b | CH ₂ | NH ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1123 | a  b | (CH ₂) ₂ | NH ₂ | O | H | 4' | 3-Py |
| 1124 | a  b | (CH ₂) ₂ | NH ₂ | O | H | 4' | 3,4,5-(OMe) ₃ -Ph |
| 1125 | a  b | (CH ₂) ₂ | NH ₂ | O | H | 4' | 4-Ac-Ph |
| 1126 | a  b | (CH ₂) ₂ | NH ₂ | O | H | 4' | 4-NH ₂ -Ph |

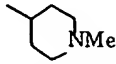
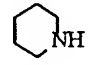
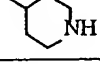
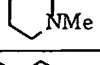
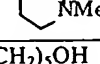
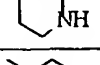
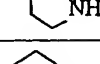
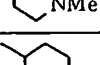
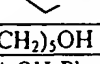
表 9














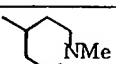



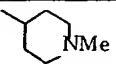

| 化合物番号 | R ¹ | Y | X | R ⁴ | R ² | ウレア位置 | R ⁵ |
|-------|------------------------|-----|---------------------------------|----------------|----------------|-------|---------------------------------------------------------------------------------------|
| 1127 | 4,5-(OMe) ₂ | OEt | - | O | H | 4' | Bn |
| 1128 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 1129 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 1130 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 1131 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 1132 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 1133 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 1134 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 1135 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 1136 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 1137 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 1138 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 1139 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1140 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1141 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1142 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1143 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 1144 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 1145 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 1146 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 1147 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 1148 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 1149 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 1150 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 1151 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 1152 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 1153 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 1154 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |

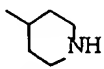
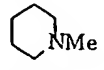
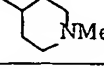
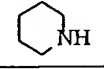
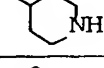
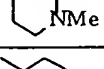
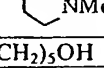
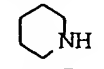
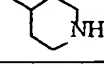
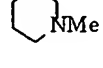
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1155 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 1156 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 1157 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1158 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1159 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1160 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1161 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 1162 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 1163 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 1164 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 1165 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 1166 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 1167 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 1168 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 1169 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 1170 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 1171 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 1172 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 1173 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 1174 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 1175 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1176 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1177 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1178 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1179 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 1180 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 1181 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 1182 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 1183 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 1184 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 1185 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 1186 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 1187 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 1188 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 1189 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 1190 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 1191 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 1192 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 1193 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |

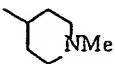



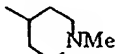




| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1194 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 1195 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 1196 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 1197 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 1198 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 1199 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 1200 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1201 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 1202 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1203 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 1204 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 1205 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 1206 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 1207 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 1208 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 1209 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 1210 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 1211 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1212 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1213 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1214 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1215 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 1216 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 1217 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 1218 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 1219 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 1220 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 1221 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 1222 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 1223 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 1224 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 1225 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 1226 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 1227 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 1228 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 1229 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 1230 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 1231 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 4' |  |









| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1232 | 4,5-(OMe) ₂ | OEI | (CH ₂) ₃ | O | H | 4' |  |
| 1233 | 4,5-(OMe) ₂ | OEI | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 1234 | 4,5-(OMe) ₂ | OEI | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 1235 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 1236 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1237 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 1238 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1239 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 1240 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 1241 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 1242 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 1243 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 1244 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 1245 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 1246 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 1247 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1248 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1249 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1250 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1251 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 1252 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 1253 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 1254 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 1255 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 1256 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 1257 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 1258 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 1259 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 1260 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 1261 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 1262 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 1263 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 1264 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 1265 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1266 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1267 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1268 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1269 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 1270 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 1271 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 1272 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-Py |




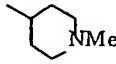



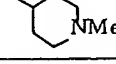

| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1273 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 1274 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 1275 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 1276 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 1277 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 1278 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 1279 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 1280 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 1281 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 1282 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 1283 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1284 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1285 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1286 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1287 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 1288 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 1289 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 1290 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 1291 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 1292 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 1293 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 1294 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 1295 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 1296 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 1297 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 1298 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 1299 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 1300 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 1301 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1302 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1303 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1304 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1305 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 1306 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 1307 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 1308 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1309 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 1310 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1311 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 1312 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 1313 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 1314 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1315 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 1316 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 1317 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 1318 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 1319 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1320 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1321 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1322 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1323 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 1324 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 1325 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 1326 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 1327 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 1328 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 1329 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 1330 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 1331 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 1332 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 1333 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 1334 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 1335 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 1336 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 1337 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1338 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1339 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1340 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1341 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 1342 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 1343 | 4,5-(OMe) ₂ | OEt | - | O | H | 3' | Bn |
| 1344 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 1345 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 1346 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 1347 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 1348 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 1349 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 1350 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 1351 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 1352 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 1353 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 1354 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 1355 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' |  |

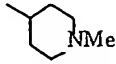



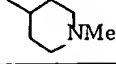



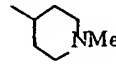
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1356 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 1357 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 1358 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 1359 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₃ OH |
| 1360 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 1361 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 1362 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 1363 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 1364 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 1365 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 1366 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 1367 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 1368 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 1369 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 1370 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 1371 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 1372 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 1373 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 1374 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 1375 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 1376 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 1377 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₃ OH |
| 1378 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 1379 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 1380 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 1381 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 1382 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 1383 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 1384 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 1385 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 1386 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 1387 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 1388 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 1389 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 1390 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 1391 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 1392 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 1393 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |




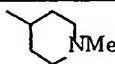



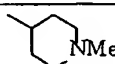
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1394 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 1395 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 1396 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 1397 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 1398 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 1399 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 1400 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 1401 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 1402 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 1403 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 1404 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 1405 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 1406 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 1407 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 1408 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 1409 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 1410 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 1411 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 1412 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 1413 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 1414 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 1415 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 1416 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 1417 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 1418 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 1419 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 1420 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 1421 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 1422 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 1423 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 1424 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 1425 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 1426 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 1427 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 1428 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 1429 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 1430 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 1431 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 1432 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 1433 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 1434 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 3-Py |










| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 1435 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 1436 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 1437 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 1438 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 1439 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 1440 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 1441 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 1442 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 1443 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 1444 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 1445 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 1446 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 1447 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 1448 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 1449 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 1450 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 1451 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 1452 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 1453 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 1454 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 1455 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 1456 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 1457 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 1458 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 1459 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 1460 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 1461 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 1462 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 1463 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 1464 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 1465 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 1466 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 1467 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 1468 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 1469 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 1470 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 1471 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 1472 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 1473 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 1474 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 1475 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 1476 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |

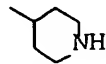
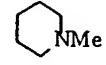
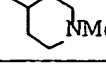
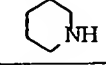
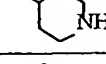
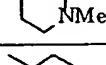
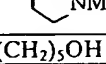
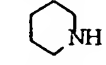
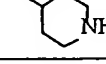
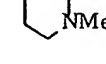
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1477 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 1478 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 1479 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 1480 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 1481 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 1482 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 1483 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 1484 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 1485 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 1486 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 1487 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 1488 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 1489 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 1490 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 1491 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 1492 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 1493 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 1494 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 1495 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 1496 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 1497 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 1498 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 1499 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 1500 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 1501 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 1502 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 1503 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 1504 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 1505 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 1506 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 1507 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 1508 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 1509 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 1510 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 1511 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 1512 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 1513 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 1514 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 1515 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 1516 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 1517 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |

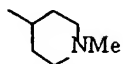

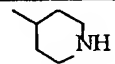

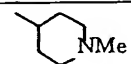

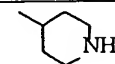

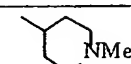
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1518 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 1519 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 1520 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 1521 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 1522 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 1523 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 1524 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 1525 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 1526 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 1527 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 1528 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 1529 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 1530 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 1531 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 1532 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 1533 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 1534 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 1535 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 1536 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 1537 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 1538 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 1539 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 1540 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 1541 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 1542 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 1543 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 1544 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 1545 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 1546 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 1547 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 1548 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 1549 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 1550 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 1551 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 1552 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 1553 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 1554 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 1555 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |









| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1556 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 1557 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 1558 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 1559 | 4,5-(OMe) ₂ | OEt | - | O | H | 2' | Bn |
| 1560 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 1561 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 1562 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 1563 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 1564 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 1565 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 1566 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 1567 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 1568 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 1569 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 1570 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 1571 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 1572 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 1573 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 1574 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 1575 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 1576 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 1577 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 1578 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 1579 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 1580 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 1581 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 1582 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 1583 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 1584 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 1585 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 1586 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 1587 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 1588 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 1589 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 1590 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 1591 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 1592 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 1593 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 1594 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 1595 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 1596 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-Py |


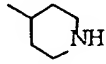

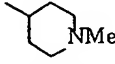

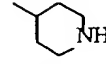

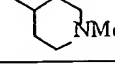

| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1597 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 1598 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 1599 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 1600 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 1601 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 1602 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 1603 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 1604 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 1605 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 1606 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 1607 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 1608 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 1609 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 1610 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 1611 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 1612 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 1613 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 1614 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 1615 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 1616 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 1617 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 1618 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 1619 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 1620 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 1621 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 1622 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 1623 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 1624 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 1625 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 1626 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 1627 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 1628 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 1629 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 1630 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 1631 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 1632 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 1633 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 1634 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 1635 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 1636 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 1637 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 1638 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 1639 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 1640 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 1641 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 1642 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 1643 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 1644 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 1645 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 1646 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 1647 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 1648 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 1649 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 1650 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 1651 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 1652 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 1653 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 1654 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 1655 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 1656 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 1657 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 1658 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 1659 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 1660 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 1661 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 1662 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 1663 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 1664 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 1665 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 1666 | 4,5-(OMe) ₂ | OEt | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 1667 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 1668 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 1669 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 1670 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 1671 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 1672 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 1673 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 1674 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 1675 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 1676 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 1677 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 1678 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 1679 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |

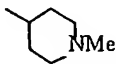



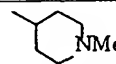



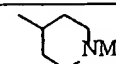
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1680 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 1681 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 1682 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 1683 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 1684 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 1685 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 1686 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 1687 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 1688 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 1689 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 1690 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 1691 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 1692 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 1693 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 1694 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 1695 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 1696 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 1697 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 1698 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 1699 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 1700 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 1701 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 1702 | 4,5-(OMe) ₂ | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 1703 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 1704 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 1705 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 1706 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 1707 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 1708 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 1709 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 1710 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 1711 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 1712 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 1713 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 1714 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 1715 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 1716 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 1717 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |


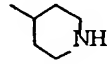
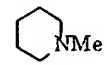
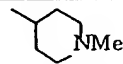

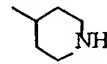
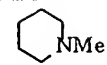
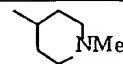
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1718 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 1719 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 1720 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 1721 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 1722 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 1723 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 1724 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 1725 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 1726 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 1727 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 1728 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 1729 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 1730 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 1731 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 1732 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 1733 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 1734 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 1735 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 1736 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 1737 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 1738 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 1739 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 1740 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 1741 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 1742 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 1743 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 1744 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 1745 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 1746 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 1747 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 1748 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 1749 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 1750 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 1751 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 1752 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 1753 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 1754 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 1755 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 1756 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 1757 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 1758 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-Py |










| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1759 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 1760 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 1761 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 1762 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 1763 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 1764 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 1765 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 1766 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 1767 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 1768 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 1769 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 1770 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 1771 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 1772 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 1773 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 1774 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 1775 | 4-OMe-5-OH | OEt | - | O | H | 4' | Bn |
| 1776 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 1777 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 1778 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 1779 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 1780 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 1781 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 1782 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 1783 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 1784 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 1785 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 1786 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 1787 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1788 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1789 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1790 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 1791 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 1792 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 1793 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 1794 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 1795 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 1796 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 1797 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 1798 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 1799 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 1800 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1801 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 1802 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 1803 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 1804 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 1805 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1806 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1807 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1808 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 1809 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 1810 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 1811 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 1812 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 1813 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 1814 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 1815 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 1816 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 1817 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 1818 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 1819 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 1820 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 1821 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 1822 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 1823 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1824 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1825 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1826 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 1827 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 1828 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 1829 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 1830 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 1831 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 1832 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 1833 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 1834 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 1835 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 1836 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 1837 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 1838 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 1839 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 1840 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 1841 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |

| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1842 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 1843 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 1844 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 1845 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 1846 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 1847 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 1848 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1849 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 1850 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1851 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 1852 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 1853 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 1854 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 1855 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 1856 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 1857 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 1858 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 1859 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1860 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1861 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1862 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 1863 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 1864 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 1865 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 1866 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 1867 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 1868 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 1869 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 1870 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 1871 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 1872 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 1873 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 1874 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 1875 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 1876 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 1877 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 1878 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 1879 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' |  |









| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1880 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 1881 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 1882 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 1883 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 1884 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1885 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 1886 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1887 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 1888 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 1889 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 1890 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 1891 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 1892 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 1893 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 1894 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 1895 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1896 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1897 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1898 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 1899 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 1900 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 1901 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 1902 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 1903 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 1904 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 1905 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 1906 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 1907 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 1908 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 1909 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 1910 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 1911 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 1912 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 1913 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1914 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1915 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1916 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 1917 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 1918 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 1919 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 1920 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-Py |


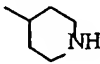
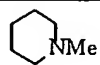
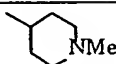

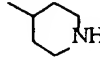
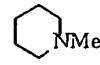
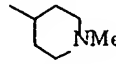

| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1921 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 1922 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 1923 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 1924 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 1925 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 1926 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 1927 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 1928 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 1929 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 1930 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 1931 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1932 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1933 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1934 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 1935 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 1936 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 1937 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 1938 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 1939 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 1940 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 1941 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 1942 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 1943 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 1944 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 1945 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 1946 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 1947 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 1948 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 1949 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1950 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1951 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1952 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 1953 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 1954 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 1955 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 1956 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 1957 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 1958 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 1959 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 1960 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 1961 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 1962 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |

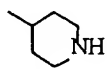
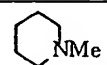
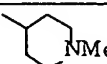
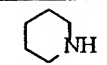
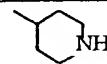
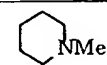
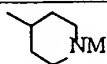
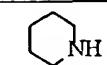
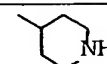
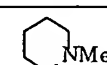
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 1963 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 1964 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 1965 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 1966 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 1967 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1968 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1969 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1970 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 1971 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 1972 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 1973 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 1974 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 1975 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 1976 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 1977 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 1978 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 1979 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 1980 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 1981 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 1982 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 1983 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 1984 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 1985 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1986 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1987 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1988 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 1989 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 1990 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 1991 | 4-OMe-5-OH | OEt | - | O | H | 3' | Bn |
| 1992 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 1993 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 1994 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 1995 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 1996 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 1997 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 1998 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 1999 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 2000 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 2001 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 2002 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 2003 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' |  |

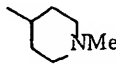








| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2004 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 2005 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 2006 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 2007 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 2008 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 2009 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 2010 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 2011 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 2012 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 2013 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 2014 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 2015 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 2016 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 2017 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 2018 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 2019 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 2020 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 2021 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2022 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2023 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2024 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2025 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 2026 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 2027 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 2028 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 2029 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 2030 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 2031 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 2032 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 2033 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 2034 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 2035 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 2036 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 2037 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 2038 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 2039 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 2040 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 2041 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |









| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|------------------------------------|
| 2042 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | |
| 2043 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 2044 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 2045 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 2046 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 2047 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 2048 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 2049 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 2050 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 2051 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 2052 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 2053 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 2054 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 2055 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 2056 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 2057 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | |
| 2058 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | |
| 2059 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | |
| 2060 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | |
| 2061 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 2062 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 2063 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 2064 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 2065 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 2066 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 2067 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 2068 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 2069 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 2070 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 2071 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 2072 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 2073 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 2074 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 2075 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | |
| 2076 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | |
| 2077 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | |
| 2078 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | |
| 2079 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 2080 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 2081 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 2082 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 3-Py |




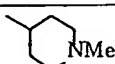



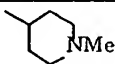

| | | | | | | | |
|------|------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 2083 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 2084 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 2085 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 2086 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 2087 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 2088 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 2089 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 2090 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 2091 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 2092 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 2093 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2094 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2095 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2096 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2097 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 2098 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 2099 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 2100 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 2101 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 2102 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 2103 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 2104 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 2105 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 2106 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 2107 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 2108 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 2109 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 2110 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 2111 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2112 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2113 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2114 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2115 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 2116 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 2117 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 2118 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 2119 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 2120 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 2121 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 2122 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 2123 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 2124 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |

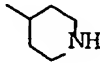
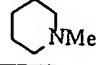
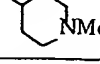
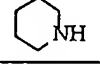
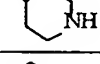
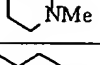
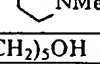
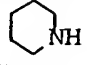
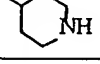

| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2125 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 2126 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 2127 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 2128 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 2129 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2130 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2131 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2132 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2133 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 2134 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 2135 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 2136 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 2137 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 2138 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 2139 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 2140 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 2141 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 2142 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 2143 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 2144 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 2145 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 2146 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 2147 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2148 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2149 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2150 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2151 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 2152 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 2153 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 2154 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 2155 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 2156 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 2157 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 2158 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 2159 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 2160 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 2161 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 2162 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 2163 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 2164 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 2165 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |

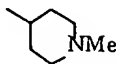



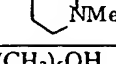



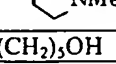
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2166 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 2167 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 2168 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 2169 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 2170 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 2171 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 2172 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 2173 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 2174 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 2175 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 2176 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 2177 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 2178 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 2179 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 2180 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 2181 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 2182 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 2183 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2184 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2185 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2186 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2187 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 2188 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 2189 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 2190 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 2191 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 2192 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 2193 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 2194 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 2195 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 2196 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 2197 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 2198 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 2199 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 2200 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 2201 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 2202 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 2203 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |









| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2204 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 2205 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 2206 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 2207 | 4-OMe-5-OH | OEt | - | O | H | 2' | Bn |
| 2208 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 2209 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 2210 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 2211 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 2212 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 2213 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 2214 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 2215 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 2216 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 2217 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 2218 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 2219 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 2220 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 2221 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 2222 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 2223 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 2224 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 2225 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 2226 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 2227 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 2228 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 2229 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 2230 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 2231 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 2232 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 2233 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 2234 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 2235 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 2236 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 2237 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 2238 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 2239 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 2240 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 2241 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 2242 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 2243 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 2244 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-Py |










| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2245 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 2246 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 2247 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 2248 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 2249 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 2250 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 2251 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 2252 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 2253 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 2254 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 2255 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2256 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2257 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2258 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2259 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 2260 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 2261 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 2262 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 2263 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 2264 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 2265 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 2266 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 2267 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 2268 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 2269 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 2270 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 2271 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 2272 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 2273 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2274 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2275 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2276 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2277 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 2278 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 2279 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 2280 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 2281 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 2282 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 2283 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 2284 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 2285 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 2286 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |

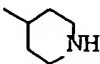
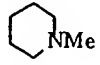
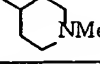
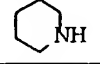
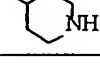
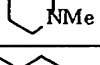
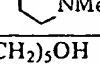
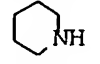
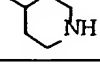

| | | | | | | | |
|------|------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 2287 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 2288 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 2289 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 2290 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 2291 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2292 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2293 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2294 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2295 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 2296 | 4-OMe-5-OH | OEt | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 2297 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 2298 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 2299 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 2300 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 2301 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 2302 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 2303 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 2304 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 2305 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 2306 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 2307 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 2308 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 2309 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2310 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2311 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2312 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2313 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 2314 | 4-OMe-5-OH | OEt | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 2315 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 2316 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 2317 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 2318 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 2319 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 2320 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 2321 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 2322 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 2323 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 2324 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 2325 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 2326 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 2327 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |

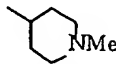

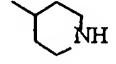

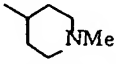

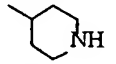

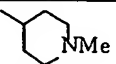
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2328 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 2329 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 2330 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 2331 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 2332 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 2333 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 2334 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 2335 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 2336 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 2337 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 2338 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 2339 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 2340 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 2341 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 2342 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 2343 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 2344 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 2345 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2346 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2347 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2348 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2349 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 2350 | 4-OMe-5-OH | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 2351 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 2352 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 2353 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 2354 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 2355 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 2356 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 2357 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 2358 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 2359 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 2360 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 2361 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 2362 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 2363 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 2364 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 2365 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |









| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2366 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 2367 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 2368 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 2369 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 2370 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 2371 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 2372 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 2373 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 2374 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 2375 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 2376 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 2377 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 2378 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 2379 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 2380 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 2381 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 2382 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 2383 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 2384 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 2385 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 2386 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 2387 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 2388 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 2389 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 2390 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 2391 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 2392 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 2393 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 2394 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 2395 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 2396 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 2397 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 2398 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 2399 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 2400 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 2401 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 2402 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 2403 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 2404 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 2405 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 2406 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2407 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 2408 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 2409 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 2410 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 2411 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 2412 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 2413 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 2414 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 2415 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 2416 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 2417 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 2418 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 2419 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 2420 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 2421 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 2422 | 4-OMe-5-OH | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 2423 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | - | O | H | 4' | Bn |
| 2424 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 2425 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 2426 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 2427 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 2428 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 2429 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 2430 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 2431 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 2432 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 2433 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 2434 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 2435 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 2436 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 2437 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 2438 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 2439 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 2440 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 2441 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 2442 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 2443 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 2444 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 2445 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 2446 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 2447 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 2448 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2449 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 2450 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 2451 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 2452 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 2453 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 2454 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 2455 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 2456 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 2457 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 2458 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 2459 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 2460 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 2461 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 2462 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 2463 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 2464 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 2465 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 2466 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 2467 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 2468 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 2469 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 2470 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 2471 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 2472 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 2473 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 2474 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 2475 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 2476 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 2477 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 2478 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 2479 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 2480 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 2481 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 2482 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 2483 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 2484 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 2485 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 2486 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 2487 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 2488 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 2489 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |

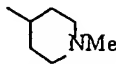

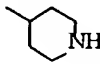
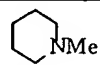
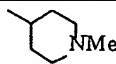

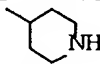
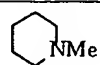
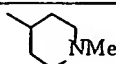
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2490 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 2491 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 2492 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 2493 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 2494 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 2495 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 2496 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 2497 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 2498 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 2499 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 2500 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 2501 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 2502 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 2503 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 2504 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 2505 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 2506 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 2507 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 2508 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 2509 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 2510 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 2511 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 2512 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 2513 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 2514 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 2515 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 2516 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 2517 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 2518 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 2519 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 2520 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 2521 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 2522 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 2523 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 2524 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 2525 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 2526 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 2527 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' |  |




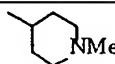

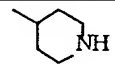

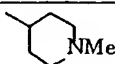
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2528 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 2529 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 2530 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 2531 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 2532 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 2533 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 2534 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 2535 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 2536 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 2537 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 2538 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 2539 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 2540 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 2541 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 2542 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 2543 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 2544 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 2545 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 2546 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 2547 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 2548 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 2549 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 2550 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 2551 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 2552 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 2553 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 2554 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 2555 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 2556 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 2557 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 2558 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 2559 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 2560 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 2561 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 2562 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 2563 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 2564 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 2565 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 2566 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 2567 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 2568 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2569 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 2570 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 2571 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 2572 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 2573 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 2574 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 2575 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 2576 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 2577 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 2578 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 2579 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 2580 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 2581 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 2582 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 2583 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₃ OH |
| 2584 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 2585 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 2586 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 2587 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 2588 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 2589 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 2590 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 2591 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 2592 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 2593 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 2594 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 2595 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 2596 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 2597 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 2598 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 2599 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 2600 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 2601 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₃ OH |
| 2602 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 2603 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 2604 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 2605 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 2606 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 2607 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 2608 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 2609 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 2610 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2611 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 2612 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 2613 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 2614 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 2615 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 2616 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 2617 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 2618 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 2619 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 2620 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 2621 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 2622 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 2623 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 2624 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 2625 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 2626 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 2627 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 2628 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 2629 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 2630 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 2631 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 2632 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 2633 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 2634 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 2635 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 2636 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 2637 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 2638 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 2639 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | - | O | H | 3' | Bn |
| 2640 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 2641 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 2642 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 2643 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 2644 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 2645 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 2646 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 2647 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 2648 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 2649 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 2650 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 2651 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' |  |

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2652 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 2653 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 2654 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 2655 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 2656 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 2657 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 2658 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 2659 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 2660 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 2661 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 2662 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 2663 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 2664 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 2665 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 2666 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 2667 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 2668 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 2669 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2670 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2671 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2672 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 2673 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 2674 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 2675 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 2676 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 2677 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 2678 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 2679 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 2680 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 2681 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 2682 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 2683 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 2684 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 2685 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 2686 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 2687 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 2688 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 2689 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |


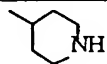
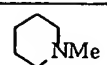
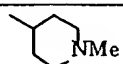

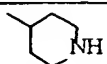
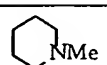
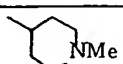
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2690 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 2691 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 2692 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 2693 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 2694 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 2695 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 2696 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 2697 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 2698 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 2699 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 2700 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 2701 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 2702 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 2703 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 2704 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 2705 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 2706 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 2707 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 2708 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 2709 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 2710 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 2711 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 2712 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 2713 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 2714 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 2715 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 2716 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 2717 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 2718 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 2719 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 2720 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 2721 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 2722 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 2723 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 2724 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 2725 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 2726 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 2727 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 2728 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 2729 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 2730 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 2731 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 2732 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 2733 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 2734 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 2735 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 2736 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 2737 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 2738 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 2739 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 2740 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 2741 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2742 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2743 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2744 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 2745 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 2746 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 2747 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 2748 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 2749 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 2750 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 2751 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 2752 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 2753 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 2754 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 2755 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 2756 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 2757 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 2758 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 2759 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2760 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2761 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2762 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 2763 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 2764 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 2765 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 2766 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 2767 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 2768 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 2769 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 2770 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 2771 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 2772 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |

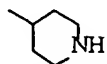
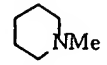
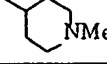
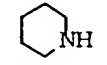
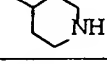
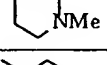
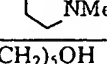
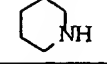
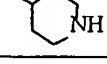
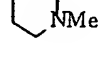
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2773 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 2774 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 2775 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 2776 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 2777 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2778 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2779 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2780 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 2781 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 2782 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 2783 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 2784 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 2785 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 2786 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 2787 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 2788 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 2789 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 2790 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 2791 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 2792 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 2793 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 2794 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 2795 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2796 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2797 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2798 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 2799 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 2800 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 2801 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 2802 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 2803 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 2804 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 2805 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 2806 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 2807 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 2808 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 2809 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 2810 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 2811 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 2812 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 2813 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |

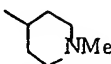

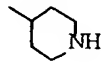
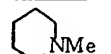
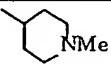

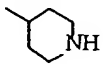

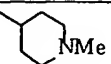
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2814 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 2815 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 2816 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 2817 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 2818 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 2819 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 2820 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 2821 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 2822 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 2823 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 2824 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 2825 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 2826 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 2827 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 2828 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 2829 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 2830 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 2831 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2832 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2833 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2834 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 2835 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 2836 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 2837 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 2838 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 2839 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 2840 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 2841 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 2842 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 2843 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 2844 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 2845 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 2846 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 2847 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 2848 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 2849 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 2850 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 2851 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |




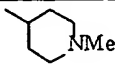



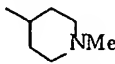
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|------------------------------------|
| 2852 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | |
| 2853 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 2854 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 2855 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | - | O | H | 2' | Bn |
| 2856 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 2857 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 2858 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 2859 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 2860 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 2861 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 2862 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 2863 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 2864 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 2865 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 2866 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 2867 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | |
| 2868 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | |
| 2869 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | |
| 2870 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | |
| 2871 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 2872 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 2873 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 2874 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 2875 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 2876 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 2877 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 2878 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 2879 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 2880 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 2881 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 2882 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 2883 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 2884 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 2885 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | |
| 2886 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | |
| 2887 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | |
| 2888 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | |
| 2889 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 2890 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 2891 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 2892 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2893 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 2894 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 2895 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 2896 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 2897 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 2898 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 2899 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 2900 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 2901 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 2902 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 2903 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2904 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2905 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2906 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 2907 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₃ OH |
| 2908 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 2909 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 2910 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 2911 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 2912 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 2913 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 2914 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 2915 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 2916 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 2917 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 2918 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 2919 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 2920 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 2921 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2922 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2923 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2924 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 2925 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₃ OH |
| 2926 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 2927 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 2928 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 2929 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 2930 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 2931 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 2932 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 2933 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 2934 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |

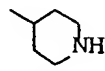
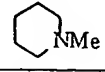
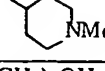
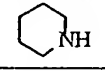
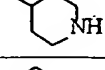
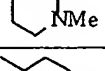
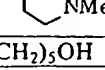
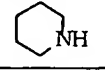
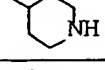
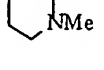
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 2935 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 2936 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 2937 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 2938 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 2939 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2940 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2941 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2942 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 2943 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₃ OH |
| 2944 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 2945 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 2946 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 2947 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 2948 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 2949 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 2950 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 2951 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 2952 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 2953 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 2954 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 2955 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 2956 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 2957 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2958 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2959 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2960 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 2961 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₃ OH |
| 2962 | 4-OMe-5-(2-N-morpholinoethoxy) | OEt | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 2963 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 2964 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 2965 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 2966 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 2967 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 2968 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 2969 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 2970 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 2971 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 2972 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 2973 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 2974 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 2975 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |

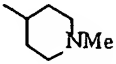

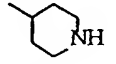
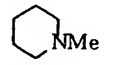
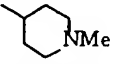

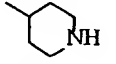
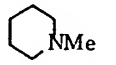
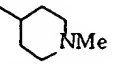
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 2976 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 2977 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 2978 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 2979 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₃ OH |
| 2980 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 2981 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 2982 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 2983 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 2984 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 2985 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 2986 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 2987 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 2988 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 2989 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 2990 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 2991 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 2992 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 2993 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2994 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2995 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2996 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 2997 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₃ OH |
| 2998 | 4-OMe-5-(2-N-morpholinoethoxy) | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 2999 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 3000 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 3001 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 3002 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 3003 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 3004 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 3005 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 3006 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 3007 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 3008 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 3009 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 3010 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 3011 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 3012 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 3013 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |




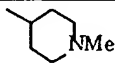



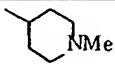
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3014 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 3015 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 3016 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 3017 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 3018 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 3019 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 3020 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 3021 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 3022 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 3023 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 3024 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 3025 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 3026 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 3027 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 3028 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 3029 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3030 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3031 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3032 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3033 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 3034 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 3035 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 3036 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 3037 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 3038 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 3039 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 3040 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 3041 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 3042 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 3043 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 3044 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 3045 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 3046 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 3047 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3048 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3049 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3050 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3051 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 3052 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 3053 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 3054 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3055 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 3056 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 3057 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 3058 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 3059 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 3060 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 3061 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 3062 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 3063 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 3064 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 3065 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3066 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3067 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3068 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3069 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 3070 | 4-OMe-5-(2-N-morpholinoethoxy) | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 3071 | 4-OH-5-OMe | OEt | - | O | H | 4' | Bn |
| 3072 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 3073 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 3074 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 3075 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 3076 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 3077 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 3078 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 3079 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 3080 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 3081 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 3082 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 3083 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3084 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3085 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3086 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3087 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 3088 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 3089 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 3090 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 3091 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 3092 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 3093 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 3094 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 3095 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 3096 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |

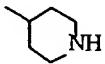
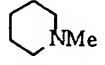
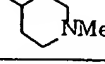
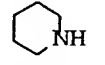
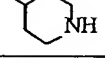
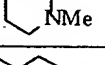
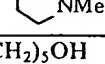
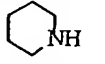
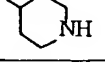
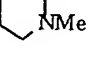
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3097 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 3098 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 3099 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 3100 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 3101 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3102 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3103 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3104 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3105 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₃ OH |
| 3106 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 3107 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 3108 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 3109 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 3110 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 3111 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 3112 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 3113 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 3114 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 3115 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 3116 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 3117 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 3118 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 3119 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3120 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3121 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3122 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3123 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₃ OH |
| 3124 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 3125 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 3126 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 3127 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 3128 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 3129 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 3130 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 3131 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 3132 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 3133 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 3134 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 3135 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 3136 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 3137 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |

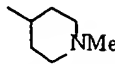



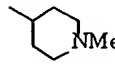



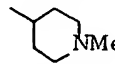
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3138 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 3139 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 3140 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 3141 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 3142 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 3143 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 3144 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 3145 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 3146 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 3147 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 3148 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 3149 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 3150 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 3151 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 3152 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 3153 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 3154 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 3155 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3156 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3157 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3158 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3159 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 3160 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 3161 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 3162 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 3163 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 3164 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 3165 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 3166 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 3167 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 3168 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 3169 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 3170 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 3171 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 3172 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 3173 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 3174 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 3175 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |




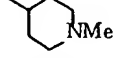



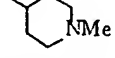
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3176 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 3177 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 3178 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 3179 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 3180 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 3181 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 3182 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 3183 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 3184 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 3185 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 3186 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 3187 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 3188 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 3189 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 3190 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 3191 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3192 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3193 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3194 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3195 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 3196 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 3197 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 3198 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 3199 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 3200 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 3201 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 3202 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 3203 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 3204 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 3205 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 3206 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 3207 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 3208 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 3209 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3210 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3211 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3212 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3213 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 3214 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 3215 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 3216 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-Py |


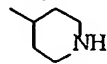
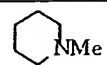
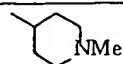

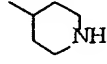
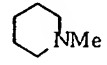
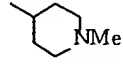

| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3217 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 3218 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 3219 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 3220 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 3221 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 3222 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 3223 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 3224 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 3225 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 3226 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 3227 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3228 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3229 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3230 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3231 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 3232 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 3233 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 3234 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 3235 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 3236 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 3237 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 3238 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 3239 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 3240 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 3241 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 3242 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 3243 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 3244 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 3245 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3246 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3247 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3248 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3249 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 3250 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 3251 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 3252 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 3253 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 3254 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 3255 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 3256 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 3257 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 3258 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3259 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 3260 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 3261 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 3262 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 3263 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3264 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3265 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3266 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3267 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 3268 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 3269 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 3270 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 3271 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 3272 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 3273 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 3274 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 3275 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 3276 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 3277 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 3278 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 3279 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 3280 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 3281 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3282 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3283 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3284 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3285 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 3286 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 3287 | 4-OH-5-OMe | OEt | - | O | H | 3' | Bn |
| 3288 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 3289 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 3290 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 3291 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 3292 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 3293 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 3294 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 3295 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 3296 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 3297 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 3298 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 3299 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |

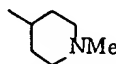

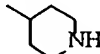
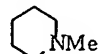
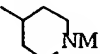

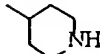
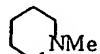
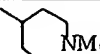
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3300 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 3301 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 3302 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 3303 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 3304 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 3305 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 3306 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 3307 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 3308 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 3309 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 3310 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 3311 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 3312 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 3313 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 3314 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 3315 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 3316 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 3317 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3318 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3319 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3320 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3321 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 3322 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 3323 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 3324 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 3325 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 3326 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 3327 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 3328 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 3329 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 3330 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 3331 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 3332 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 3333 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 3334 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 3335 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 3336 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 3337 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |




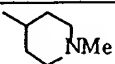



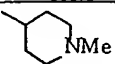
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3338 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 3339 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 3340 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 3341 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 3342 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 3343 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 3344 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 3345 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 3346 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 3347 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 3348 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 3349 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 3350 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 3351 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 3352 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 3353 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 3354 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 3355 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 3356 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 3357 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 3358 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 3359 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 3360 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 3361 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 3362 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 3363 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 3364 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 3365 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 3366 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 3367 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 3368 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 3369 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 3370 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 3371 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 3372 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 3373 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 3374 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 3375 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 3376 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 3377 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 3378 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 3-Py |




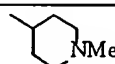



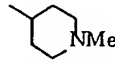

| | | | | | | | |
|------|------------|-----------------|---------------------------------|---|---|-----|---------------------------------------------------------------------------------------|
| 3379 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 3380 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 3381 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 3382 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 3383 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 3384 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 3385 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 3386 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 3387 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 3388 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 3389 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 3390 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 3391 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 3392 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 3393 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 3394 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 3395 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 3396 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 3397 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 3398 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 3399 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 3400 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 3401 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 3402 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 3403 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 3404 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 3405 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 3406 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 3407 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 3408 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 3409 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 3410 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 3411 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 3412 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 3413 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 3414 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3'' | 3-Py |
| 3415 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 3416 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 3417 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 3418 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 3419 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 3420 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3421 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 3422 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 3423 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 3424 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 3425 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 3426 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 3427 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 3428 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 3429 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 3430 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 3431 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 3432 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 3433 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 3434 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 3435 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 3436 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 3437 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 3438 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 3439 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 3440 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 3441 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 3442 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 3443 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 3444 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 3445 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 3446 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 3447 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 3448 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 3449 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 3450 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 3451 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 3452 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 3453 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 3454 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 3455 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 3456 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 3457 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 3458 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 3459 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 3460 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 3461 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |

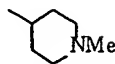
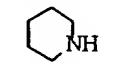
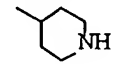
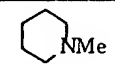
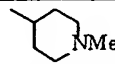
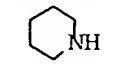
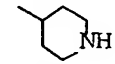
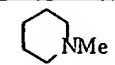
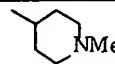
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3462 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 3463 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 3464 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 3465 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 3466 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 3467 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 3468 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 3469 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 3470 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 3471 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 3472 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 3473 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 3474 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 3475 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 3476 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 3477 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 3478 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 3479 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 3480 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 3481 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 3482 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 3483 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 3484 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 3485 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 3486 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 3487 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 3488 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 3489 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 3490 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 3491 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 3492 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 3493 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 3494 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 3495 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 3496 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 3497 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 3498 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 3499 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |









| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3500 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 3501 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 3502 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 3503 | 4-OH-5-OMe | OEt | - | O | H | 2' | Bn |
| 3504 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 3505 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 3506 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 3507 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 3508 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 3509 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 3510 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 3511 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 3512 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 3513 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 3514 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 3515 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 3516 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 3517 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 3518 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 3519 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 3520 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 3521 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 3522 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 3523 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 3524 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 3525 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 3526 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 3527 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 3528 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 3529 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 3530 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 3531 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 3532 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 3533 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 3534 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 3535 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 3536 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 3537 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 3538 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 3539 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 3540 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-Py |










| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3541 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 3542 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 3543 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 3544 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 3545 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 3546 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 3547 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 3548 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 3549 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 3550 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 3551 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 3552 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 3553 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 3554 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 3555 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 3556 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 3557 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 3558 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 3559 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 3560 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 3561 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 3562 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 3563 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 3564 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 3565 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 3566 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 3567 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 3568 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 3569 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 3570 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 3571 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 3572 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 3573 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 3574 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 3575 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 3576 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 3577 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 3578 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 3579 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 3580 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 3581 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 3582 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 3583 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 3584 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 3585 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 3586 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 3587 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 3588 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 3589 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 3590 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 3591 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₃ OH |
| 3592 | 4-OH-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 3593 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 3594 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 3595 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 3596 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 3597 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 3598 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 3599 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 3600 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 3601 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 3602 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 3603 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 3604 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 3605 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 3606 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 3607 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 3608 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 3609 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₃ OH |
| 3610 | 4-OH-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 3611 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 3612 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 3613 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 3614 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 3615 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 3616 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 3617 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 3618 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 3619 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 3620 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 3621 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 3622 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 3623 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |

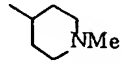



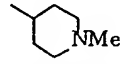



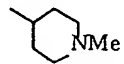
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3624 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 3625 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 3626 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 3627 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 3628 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 3629 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 3630 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 3631 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 3632 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 3633 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 3634 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 3635 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 3636 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 3637 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 3638 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 3639 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 3640 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 3641 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 3642 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 3643 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 3644 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 3645 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 3646 | 4-OH-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 3647 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 3648 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 3649 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 3650 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 3651 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 3652 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 3653 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 3654 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 3655 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 3656 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 3657 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 3658 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 3659 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 3660 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 3661 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |


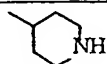
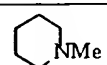
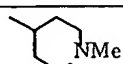

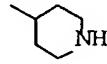
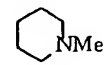
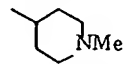
| | | | | | | | |
|------|------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3662 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 3663 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 3664 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 3665 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 3666 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 3667 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 3668 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 3669 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 3670 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 3671 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 3672 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 3673 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 3674 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 3675 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 3676 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 3677 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3678 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3679 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3680 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 3681 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 3682 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 3683 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 3684 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 3685 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 3686 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 3687 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 3688 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 3689 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 3690 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 3691 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 3692 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 3693 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 3694 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 3695 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3696 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3697 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3698 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 3699 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 3700 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 3701 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 3702 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3703 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 3704 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 3705 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 3706 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 3707 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 3708 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 3709 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 3710 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 3711 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 3712 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 3713 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3714 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3715 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3716 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 3717 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 3718 | 4-OH-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 3719 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | - | O | H | 4' | Bn |
| 3720 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 3721 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 3722 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 3723 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 3724 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 3725 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 3726 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 3727 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 3728 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 3729 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 3730 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 3731 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3732 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3733 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3734 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' |  |
| 3735 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 3736 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 3737 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 3738 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 3739 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 3740 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 3741 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 3742 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 3743 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 3744 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3745 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 3746 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 3747 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 3748 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 3749 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3750 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3751 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3752 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' |  |
| 3753 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 3754 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 3755 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 3756 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-Py |
| 3757 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 3758 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 3759 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 3760 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 3761 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 3762 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 3763 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 3764 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 3765 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 3766 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 3767 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3768 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3769 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3770 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' |  |
| 3771 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 3772 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 3773 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 3774 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 3775 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 3776 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 3777 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 3778 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 3779 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 3780 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 3781 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 3782 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 3783 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 3784 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 3785 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |

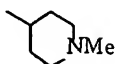

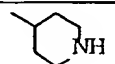

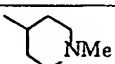

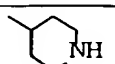

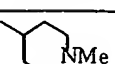
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3786 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 3787 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 3788 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' |  |
| 3789 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 3790 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 3791 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 3792 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 3793 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 3794 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 3795 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 3796 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 3797 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 3798 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 3799 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 3800 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 3801 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 3802 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 3803 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3804 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3805 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3806 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' |  |
| 3807 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 3808 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 3809 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 3810 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 3811 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 3812 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 3813 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 3814 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 3815 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 3816 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 3817 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 3818 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 3819 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 3820 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 3821 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 3822 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 3823 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |









| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3824 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' |  |
| 3825 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₃ OH |
| 3826 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 3827 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 3828 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 3829 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 3830 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 3831 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 3832 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 3833 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 3834 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |
| 3835 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 3836 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 3837 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 3838 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 3839 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3840 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3841 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3842 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' |  |
| 3843 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₃ OH |
| 3844 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 3845 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 3846 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 3847 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 3848 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 3849 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 3850 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 3851 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 3852 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 3853 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 3854 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 3855 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 3856 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 3857 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3858 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3859 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3860 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' |  |
| 3861 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₃ OH |
| 3862 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 3863 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-Py |
| 3864 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-Py |


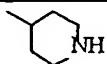

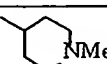

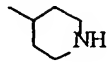

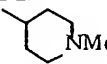

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3865 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-Py |
| 3866 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NH ₂ -Ph |
| 3867 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-NO ₂ -Ph |
| 3868 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NH ₂ -Ph |
| 3869 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 3-NO ₂ -Ph |
| 3870 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NH ₂ -Ph |
| 3871 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 2-NO ₂ -Ph |
| 3872 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -2-Py |
| 3873 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -3-Py |
| 3874 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | CH ₂ -4-Py |
| 3875 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3876 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3877 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3878 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' |  |
| 3879 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | (CH ₂) ₅ OH |
| 3880 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 4' | 4-OH-Ph |
| 3881 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-Py |
| 3882 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-Py |
| 3883 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-Py |
| 3884 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NH ₂ -Ph |
| 3885 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-NO ₂ -Ph |
| 3886 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NH ₂ -Ph |
| 3887 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 3-NO ₂ -Ph |
| 3888 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NH ₂ -Ph |
| 3889 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 2-NO ₂ -Ph |
| 3890 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -2-Py |
| 3891 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -3-Py |
| 3892 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | CH ₂ -4-Py |
| 3893 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3894 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3895 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3896 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' |  |
| 3897 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | (CH ₂) ₅ OH |
| 3898 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 4' | 4-OH-Ph |
| 3899 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-Py |
| 3900 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-Py |
| 3901 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-Py |
| 3902 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NH ₂ -Ph |
| 3903 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-NO ₂ -Ph |
| 3904 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NH ₂ -Ph |
| 3905 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 3-NO ₂ -Ph |
| 3906 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NH ₂ -Ph |











| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3907 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 2-NO ₂ -Ph |
| 3908 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -2-Py |
| 3909 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -3-Py |
| 3910 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | CH ₂ -4-Py |
| 3911 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3912 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3913 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3914 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' |  |
| 3915 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | (CH ₂) ₅ OH |
| 3916 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 4' | 4-OH-Ph |
| 3917 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-Py |
| 3918 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-Py |
| 3919 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-Py |
| 3920 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NH ₂ -Ph |
| 3921 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-NO ₂ -Ph |
| 3922 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NH ₂ -Ph |
| 3923 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 3-NO ₂ -Ph |
| 3924 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NH ₂ -Ph |
| 3925 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 2-NO ₂ -Ph |
| 3926 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -2-Py |
| 3927 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -3-Py |
| 3928 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | CH ₂ -4-Py |
| 3929 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3930 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3931 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3932 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' |  |
| 3933 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | (CH ₂) ₅ OH |
| 3934 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 4' | 4-OH-Ph |
| 3935 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | - | O | H | 3' | Bn |
| 3936 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 3937 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 3938 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 3939 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 3940 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 3941 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 3942 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 3943 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 3944 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 3945 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 3946 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 3947 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |

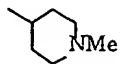
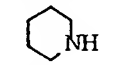
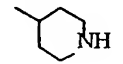
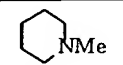
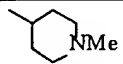
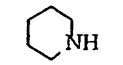
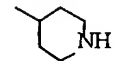
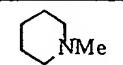
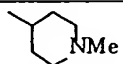
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3948 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 3949 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 3950 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' |  |
| 3951 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₃ OH |
| 3952 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 3953 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 3954 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 3955 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 3956 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 3957 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 3958 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 3959 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 3960 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 3961 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 3962 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 3963 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 3964 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 3965 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3966 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3967 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3968 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' |  |
| 3969 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₃ OH |
| 3970 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 3971 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 3972 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 3973 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 3974 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 3975 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 3976 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 3977 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 3978 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 3979 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 3980 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 3981 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 3982 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 3983 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 3984 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 3985 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |









| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 3986 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' |  |
| 3987 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 3988 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 3989 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 3990 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 3991 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 3992 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 3993 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 3994 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 3995 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 3996 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 3997 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 3998 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 3999 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 4000 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 4001 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 4002 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 4003 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 4004 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' |  |
| 4005 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₅ OH |
| 4006 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 4007 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 4008 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 4009 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 4010 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 4011 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 4012 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 4013 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 4014 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 4015 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 4016 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 4017 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 4018 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 4019 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 4020 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 4021 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 4022 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' |  |
| 4023 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₅ OH |
| 4024 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 4025 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 4026 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 3-Py |










| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 4027 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 4028 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 4029 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 4030 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 4031 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 4032 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 4033 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 4034 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 4035 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 4036 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 4037 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 4038 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 4039 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 4040 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' |  |
| 4041 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₃ OH |
| 4042 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 4043 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 4044 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 4045 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 4046 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 4047 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 4048 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 4049 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 4050 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 4051 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 4052 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 4053 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 4054 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 4055 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 4056 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 4057 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 4058 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' |  |
| 4059 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₃ OH |
| 4060 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 4061 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 4062 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 4063 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 4064 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 4065 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 4066 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 4067 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 4068 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |

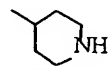
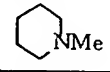
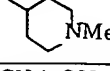
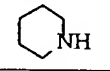
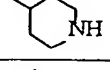
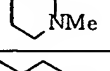
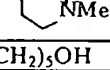
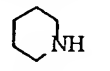
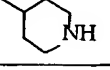
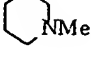
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 4069 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 4070 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 4071 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 4072 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 4073 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 4074 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 4075 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 4076 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' |  |
| 4077 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 4078 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 4079 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-Py |
| 4080 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-Py |
| 4081 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-Py |
| 4082 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NH ₂ -Ph |
| 4083 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-NO ₂ -Ph |
| 4084 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NH ₂ -Ph |
| 4085 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 3-NO ₂ -Ph |
| 4086 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NH ₂ -Ph |
| 4087 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 2-NO ₂ -Ph |
| 4088 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -2-Py |
| 4089 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -3-Py |
| 4090 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | CH ₂ -4-Py |
| 4091 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 4092 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 4093 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 4094 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' |  |
| 4095 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | (CH ₂) ₅ OH |
| 4096 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 3' | 4-OH-Ph |
| 4097 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-Py |
| 4098 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-Py |
| 4099 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-Py |
| 4100 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NH ₂ -Ph |
| 4101 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-NO ₂ -Ph |
| 4102 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NH ₂ -Ph |
| 4103 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 3-NO ₂ -Ph |
| 4104 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NH ₂ -Ph |
| 4105 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 2-NO ₂ -Ph |
| 4106 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -2-Py |
| 4107 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -3-Py |
| 4108 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | CH ₂ -4-Py |
| 4109 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |

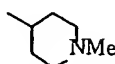
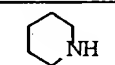
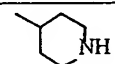
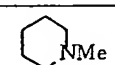
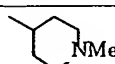
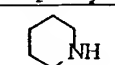
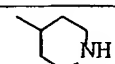
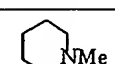
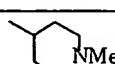
| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 4110 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 4111 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 4112 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' |  |
| 4113 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | (CH ₂) ₃ OH |
| 4114 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 3' | 4-OH-Ph |
| 4115 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-Py |
| 4116 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-Py |
| 4117 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-Py |
| 4118 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NH ₂ -Ph |
| 4119 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-NO ₂ -Ph |
| 4120 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NH ₂ -Ph |
| 4121 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 3-NO ₂ -Ph |
| 4122 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NH ₂ -Ph |
| 4123 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 2-NO ₂ -Ph |
| 4124 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -2-Py |
| 4125 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -3-Py |
| 4126 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | CH ₂ -4-Py |
| 4127 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 4128 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 4129 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 4130 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' |  |
| 4131 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | (CH ₂) ₃ OH |
| 4132 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 3' | 4-OH-Ph |
| 4133 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-Py |
| 4134 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-Py |
| 4135 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-Py |
| 4136 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NH ₂ -Ph |
| 4137 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-NO ₂ -Ph |
| 4138 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NH ₂ -Ph |
| 4139 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 3-NO ₂ -Ph |
| 4140 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NH ₂ -Ph |
| 4141 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 2-NO ₂ -Ph |
| 4142 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -2-Py |
| 4143 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -3-Py |
| 4144 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | CH ₂ -4-Py |
| 4145 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 4146 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 4147 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 4148 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' |  |
| 4149 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | (CH ₂) ₅ OH |
| 4150 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 3' | 4-OH-Ph |
| 4151 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | - | O | H | 2' | Bn |
| 4152 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 4153 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 4154 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 4155 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 4156 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 4157 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 4158 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 4159 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 4160 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 4161 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 4162 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 4163 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 4164 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 4165 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 4166 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' |  |
| 4167 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 4168 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 4169 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 4170 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 4171 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 4172 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 4173 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 4174 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 4175 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 4176 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 4177 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 4178 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 4179 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 4180 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 4181 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 4182 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 4183 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 4184 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' |  |
| 4185 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 4186 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 4187 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 4188 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-Py |

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 4189 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 4190 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 4191 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 4192 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 4193 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 4194 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 4195 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 4196 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 4197 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 4198 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 4199 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 4200 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 4201 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 4202 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' |  |
| 4203 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 4204 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 4205 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 4206 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 4207 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 4208 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 4209 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 4210 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 4211 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 4212 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 4213 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 4214 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 4215 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 4216 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 4217 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 4218 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 4219 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 4220 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' |  |
| 4221 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 4222 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 4223 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 4224 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 4225 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 4226 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 4227 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 4228 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 4229 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 4230 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 4231 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 4232 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 4233 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 4234 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 4235 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 4236 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 4237 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 4238 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' |  |
| 4239 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 4240 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 4241 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 4242 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 4243 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 4244 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 4245 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 4246 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 4247 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 4248 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 4249 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 4250 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 4251 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 4252 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 4253 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 4254 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 4255 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 4256 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' |  |
| 4257 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 4258 | 4-(2-N-morpholinoethoxy)-5-OMe | OEt | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 4259 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 4260 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 4261 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 4262 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 4263 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 4264 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 4265 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 4266 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 4267 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 4268 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 4269 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 4270 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 4271 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 4272 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 4273 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 4274 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' |  |
| 4275 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 4276 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 4277 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 4278 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-Py |
| 4279 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 4280 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 4281 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 4282 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 4283 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 4284 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 4285 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 4286 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 4287 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 4288 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 4289 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 4290 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 4291 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 4292 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' |  |
| 4293 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 4294 | 4-(2-N-morpholinoethoxy)-5-OMe | NH ₂ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |
| 4295 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-Py |
| 4296 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-Py |
| 4297 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-Py |
| 4298 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NH ₂ -Ph |
| 4299 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-NO ₂ -Ph |
| 4300 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NH ₂ -Ph |
| 4301 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 3-NO ₂ -Ph |
| 4302 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NH ₂ -Ph |
| 4303 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 2-NO ₂ -Ph |
| 4304 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -2-Py |
| 4305 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -3-Py |
| 4306 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | CH ₂ -4-Py |
| 4307 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 4308 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 4309 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |

| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|----|---|----|---------------------------------------------------------------------------------------|
| 4310 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' |  |
| 4311 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | (CH ₂) ₅ OH |
| 4312 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | NH | H | 2' | 4-OH-Ph |
| 4313 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-Py |
| 4314 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-Py |
| 4315 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-Py |
| 4316 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NH ₂ -Ph |
| 4317 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-NO ₂ -Ph |
| 4318 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NH ₂ -Ph |
| 4319 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 3-NO ₂ -Ph |
| 4320 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NH ₂ -Ph |
| 4321 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 2-NO ₂ -Ph |
| 4322 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -2-Py |
| 4323 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -3-Py |
| 4324 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | CH ₂ -4-Py |
| 4325 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 4326 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 4327 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 4328 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' |  |
| 4329 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | (CH ₂) ₅ OH |
| 4330 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | NH | H | 2' | 4-OH-Ph |
| 4331 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-Py |
| 4332 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-Py |
| 4333 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-Py |
| 4334 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NH ₂ -Ph |
| 4335 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-NO ₂ -Ph |
| 4336 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NH ₂ -Ph |
| 4337 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 3-NO ₂ -Ph |
| 4338 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NH ₂ -Ph |
| 4339 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 2-NO ₂ -Ph |
| 4340 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -2-Py |
| 4341 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -3-Py |
| 4342 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | CH ₂ -4-Py |
| 4343 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 4344 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 4345 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 4346 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' |  |
| 4347 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | (CH ₂) ₅ OH |
| 4348 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₂ | O | H | 2' | 4-OH-Ph |
| 4349 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-Py |
| 4350 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-Py |




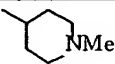
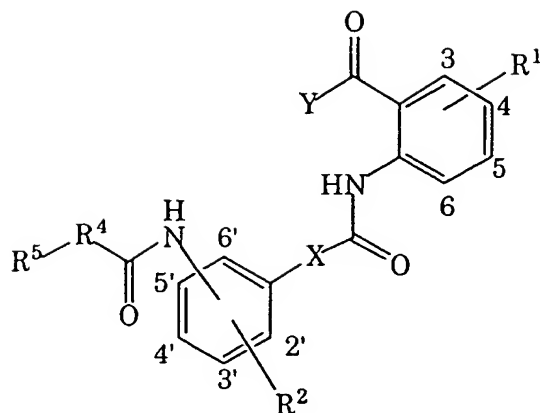



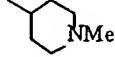



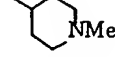








| | | | | | | | |
|------|--------------------------------|-----------------|---------------------------------|---|---|----|-------------------------------------------------------------------------------------|
| 4351 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-Py |
| 4352 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NH ₂ -Ph |
| 4353 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-NO ₂ -Ph |
| 4354 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NH ₂ -Ph |
| 4355 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 3-NO ₂ -Ph |
| 4356 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NH ₂ -Ph |
| 4357 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 2-NO ₂ -Ph |
| 4358 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -2-Py |
| 4359 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -3-Py |
| 4360 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | CH ₂ -4-Py |
| 4361 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 4362 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 4363 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 4364 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' |  |
| 4365 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | (CH ₂) ₅ OH |
| 4366 | 4-(2-N-morpholinoethoxy)-5-OMe | CH ₃ | (CH ₂) ₃ | O | H | 2' | 4-OH-Ph |

表 10



| 化合物 番号 | R ¹ | Y | X | R ⁴ | R ² | ウレア 位置 | R ⁵ |
|-----------|------------------------|-----------------|---------------------------------|----------------|----------------|-----------|------------------------------------------|
| 4367 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 2-Py |
| 4368 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 3-Py |
| 4369 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 4-Py |
| 4370 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 4-NH ₂ -Ph |
| 4371 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 4-NO ₂ -Ph |
| 4372 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 3-NH ₂ -Ph |
| 4373 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 3-NO ₂ -Ph |
| 4374 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 2-NH ₂ -Ph |
| 4375 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 2-NO ₂ -Ph |
| 4376 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -(4-NH ₂ -Ph) |
| 4377 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -(4-NO ₂ -Ph) |
| 4378 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -(3-NH ₂ -Ph) |
| 4379 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -(3-NO ₂ -Ph) |
| 4380 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -(2-NH ₂ -Ph) |
| 4381 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -(2-NO ₂ -Ph) |
| 4382 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -2-Py |
| 4383 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -3-Py |
| 4384 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | CH ₂ -4-Py |
| 4385 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | |
| 4386 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | |
| 4387 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | |
| 4388 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | |
| 4389 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | (CH ₂) ₅ OH |
| 4390 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 4' | 4-OH-Ph |
| 4391 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 2-Py |
| 4392 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 3-Py |
| 4393 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 4-Py |

| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 4394 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 4-NH ₂ -Ph |
| 4395 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 4-NO ₂ -Ph |
| 4396 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 3-NH ₂ -Ph |
| 4397 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 3-NO ₂ -Ph |
| 4398 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 2-NH ₂ -Ph |
| 4399 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 2-NO ₂ -Ph |
| 4400 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | CH ₂ -2-Py |
| 4401 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | CH ₂ -3-Py |
| 4402 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | CH ₂ -4-Py |
| 4403 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' |  |
| 4404 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' |  |
| 4405 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' |  |
| 4406 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' |  |
| 4407 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | (CH ₂) ₅ OH |
| 4408 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 4' | 4-OH-Ph |
| 4409 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 2-Py |
| 4410 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 3-Py |
| 4411 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 4-Py |
| 4412 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 4-NH ₂ -Ph |
| 4413 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 4-NO ₂ -Ph |
| 4414 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 3-NH ₂ -Ph |
| 4415 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 3-NO ₂ -Ph |
| 4416 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 2-NH ₂ -Ph |
| 4417 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 2-NO ₂ -Ph |
| 4418 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -(4-NH ₂ -Ph) |
| 4419 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -(4-NO ₂ -Ph) |
| 4420 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -(3-NH ₂ -Ph) |
| 4421 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -(3-NO ₂ -Ph) |
| 4422 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -(2-NH ₂ -Ph) |
| 4423 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -(2-NO ₂ -Ph) |
| 4424 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -2-Py |
| 4425 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -3-Py |
| 4426 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | CH ₂ -4-Py |
| 4427 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' |  |
| 4428 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' |  |
| 4429 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' |  |
| 4430 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' |  |
| 4431 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | (CH ₂) ₅ OH |
| 4432 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 3' | 4-OH-Ph |
| 4433 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 2-Py |
| 4434 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 3-Py |
| 4435 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 4-Py |

| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|---|---|----|---------------------------------------------------------------------------------------|
| 4436 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 4-NH ₂ -Ph |
| 4437 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 4-NO ₂ -Ph |
| 4438 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 3-NH ₂ -Ph |
| 4439 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 3-NO ₂ -Ph |
| 4440 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 2-NH ₂ -Ph |
| 4441 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 2-NO ₂ -Ph |
| 4442 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | CH ₂ -2-Py |
| 4443 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | CH ₂ -3-Py |
| 4444 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | CH ₂ -4-Py |
| 4445 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' |  |
| 4446 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' |  |
| 4447 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' |  |
| 4448 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' |  |
| 4449 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | (CH ₂) ₅ OH |
| 4450 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 3' | 4-OH-Ph |
| 4451 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 2-Py |
| 4452 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 3-Py |
| 4453 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 4-Py |
| 4454 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 4-NH ₂ -Ph |
| 4455 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 4-NO ₂ -Ph |
| 4456 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 3-NH ₂ -Ph |
| 4457 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 3-NO ₂ -Ph |
| 4458 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 2-NH ₂ -Ph |
| 4459 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 2-NO ₂ -Ph |
| 4460 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -(4-NH ₂ -Ph) |
| 4461 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -(4-NO ₂ -Ph) |
| 4462 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -(3-NH ₂ -Ph) |
| 4463 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -(3-NO ₂ -Ph) |
| 4464 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -(2-NH ₂ -Ph) |
| 4465 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -(2-NO ₂ -Ph) |
| 4466 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -2-Py |
| 4467 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -3-Py |
| 4468 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | CH ₂ -4-Py |
| 4469 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' |  |
| 4470 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' |  |
| 4471 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' |  |
| 4472 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' |  |
| 4473 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | (CH ₂) ₅ OH |
| 4474 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₂ | - | H | 2' | 4-OH-Ph |
| 4475 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 2-Py |
| 4476 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 3-Py |
| 4477 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 4-Py |




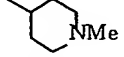
| | | | | | | | |
|------|------------------------|-----------------|---------------------------------|---|---|----|-------------------------------------------------------------------------------------|
| 4478 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 4-NH ₂ -Ph |
| 4479 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 4-NO ₂ -Ph |
| 4480 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 3-NH ₂ -Ph |
| 4481 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 3-NO ₂ -Ph |
| 4482 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 2-NH ₂ -Ph |
| 4483 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 2-NO ₂ -Ph |
| 4484 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | CH ₂ -2-Py |
| 4485 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | CH ₂ -3-Py |
| 4486 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | CH ₂ -4-Py |
| 4487 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' |  |
| 4488 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' |  |
| 4489 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' |  |
| 4490 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' |  |
| 4491 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | (CH ₂) ₅ OH |
| 4492 | 4,5-(OMe) ₂ | CH ₃ | (CH ₂) ₃ | - | H | 2' | 4-OH-Ph |

表1～表10において、Pyはピリジル基、Phはフェニル基、Meはメチル基、Etはエチル基、ⁿPrはノルマルプロピル基、Acはアセチル基、ⁿBuはノルマルブチル基、Bnはベンジル基、c-Penはシクロペンチル基、c-Hexはシクロヘキシル基、c-Hepはシクロヘプチル基、ⁱPrはイソプロピル基、Napはナフチル基をそれぞれ表す。

本発明のジアリールアミド誘導体を有効成分とする薬学的組成物、即ち医薬組成物は、錠剤、カプセル剤、散剤、顆粒剤などの経口剤をはじめ、静脈内、皮下、筋肉内などの注射剤、外用剤など種々の剤形で投与することができる。例えば、本発明のジアリールアミド誘導体とラクトース、澱粉などの賦形剤、ステアリン酸マグネシウム、タルクなどの滑沢剤、その他常用の添加剤を混合し、錠剤とすることができる。また、蒸留水、生理食塩水、アルコールなどを用いて注射剤とすることができ、必要に応じて緩衝剤、等張剤、防腐剤、安定剤などを添加してもよい。

本発明のジアリールアミド誘導体の用量は、患者の性別、年齢、体重、疾患の種類、症状などに応じて適宜定めるものであるが、経口投与する場合、概ね1日当たり0.1～100 mg/kgの範囲、好ましくは1～10 mg/kgの範囲で、単回又は数回に分けて投与することができる。

本明細書は、本願の優先権の基礎である特願平11-281271号及び特願平11-290789号の明細書に記載された内容を包含する。

発明を実施するための最良の形態

本発明の内容を以下の参考例、実施例及び処方例で更に詳細に説明するが、本発明はその内容に限定されるものではない。

実施例1

N-フェニル-N'-[4-{(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル}フェニル]ウレア (化合物番号 1)

0.75 gの4, 5-ジメトキシ-2-ニトロ安息香酸をエタノール100 mlに溶かした後に濃硫酸3 mlを加えて還流下18時間攪拌した。5%水酸化ナトリウム水溶液で

中和後、析出した固体を吸引濾取、水洗後乾燥し、0.53 g の白色固体を得た。引き続き 0.30 g のこの固体と 60 mg の 5% Pd/C をエタノール 20 ml に加え、水素雰囲気下、室温で 14 時間撹拌した。反応液を濾過し、濾液を濃縮することで 0.27 g の 2-アミノ-4,5-ジメトキシ安息香酸エチルエステルを白色固体として得た。

引き続き 0.26 g のこの固体をジクロロメタン 20 ml に溶かした後に 0.27 g の 4-ニトロ安息香酸クロリドと 0.5 ml のトリエチルアミンを加えて室温で 30 分撹拌した。反応液を飽和重曹水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをメタノールで洗浄後乾燥し、0.36 g の黄色固体を得た。

引き続き 0.36 g のこの固体と 50 mg の 5%Pd/C をメタノール 100 ml に加えた後に水素雰囲気下、室温で 32 時間撹拌した。反応液を濾過し、濾液を濃縮して 0.28 g の 2-(4-アミノフェニル)-カルボニルアミノ-4,5-ジメトキシ安息香酸エチルエステルを黄色固体として得た。

引き続き 90 mg のこの固体、0.24 g のフェニルイソシアネート、0.12 g のトリエチルアミンをトルエン 20 ml に加えた後に還流下 18 時間撹拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：酢酸エチル=10:1→ジクロロメタン：メタノール= 30:1）、白色固体として、表記化合物を 80 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.35 (t, J = 7.2 Hz, 3H)、3.80 (s, 3H)、3.88 (s, 3H)、4.37 (q, J = 7.2 Hz, 3H)、6.99 (t, J = 7.3 Hz, 1H)、7.30 (m, 3H)、7.48 (d, J = 7.5 Hz, 2H)、7.48 (s, 1H)、7.67 (d, J = 7.3 Hz, 2H)、7.90 (d, J = 8.9 Hz, 2H)、8.45 (s, 1H)、9.05 (s, 1H)、9.31 (s, 1H)、11.75 (s, 1H)

実施例 2

N-(4-ニトロフェニル)-N'-[4-[(4,5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 25)

実施例 1 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.35 (t, J = 7.2 Hz, 3H)、3.80 (s, 3H)、3.88 (s, 3H)、4.37 (q, J = 7.2 Hz, 2H)、7.48 (s, 1H)、7.71 (m, 4H)、7.92 (d, J = 8.9 Hz, 2H)、8.22 (d, J = 9.2 Hz, 2H)、8.43 (s, 1H)、9.40 (s, 1H)、9.65 (s, 1H)、11.76 (s, 1H)

実施例 3

N-(4-アミノフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア(化合物番号 28)

実施例 2 で合成した化合物 90 mg、5%Pd/C 20 mg をエタノール 10 ml に加えた後に水素雰囲気下、室温で 14 時間攪拌した。反応液を濾過、濾液を濃縮し、残渣をシリカゲルカラムクロマトグラフィーによって精製し(溶出溶媒ジクロロメタン:メタノール= 50:1)、淡桃色固体として、表記化合物を 50 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.35 (t, J = 7.2 Hz, 3H)、3.80 (s, 3H)、3.87 (s, 3H)、4.37 (q, J = 7.2 Hz, 2H)、4.80 (s, 2H)、6.52 (d, J = 8.1 Hz, 2H)、7.10 (d, J = 8.9 Hz, 2H)、7.48 (s, 1H)、7.63 (d, J = 8.9 Hz, 2H)、7.87 (d, J = 8.9 Hz, 2H)、8.22 (d, J = 9.2 Hz, 2H)、8.42 (s, 1H)、8.45 (s, 1H)、9.03 (s, 1H)、11.74 (s, 1H)

実施例 4

N-(4-フルオロフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア(化合物番号 19)

2-(4-アミノフェニル)-カルボニルアミノ-4, 5-ジメトキシ安息香酸エチルエステル 60 mg、0.11 g の 4-フルオロフェニルイソシアネート、70 mg の 4-ジメチルアミノピリジンをテトラヒドロフラン 20 ml に加えた後に 70℃で 5 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し(溶出溶媒ジクロロメタン:酢酸エチル=10:1→ジクロロメタン:メタノール= 30:1)、白色固体として、表記化合物を 60 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.35 (t, J=7.2Hz, 3H)、3.80 (s, 3H)、3.88 (s, 3H)、4.37 (q, J = 7.2 Hz, 2H)、7.14 (t, J = 6.2 Hz, 2H)、7.48 (s, 1H)、7.49 (dd, J = 3.8, 8.6 Hz, 2H)、7.67 (d, J = 8.6 Hz,

2H)、7.89 (d, $J = 8.9$ Hz, 2H)、8.44 (s, 1H)、9.12 (s, 1H)、9.34 (s, 1H)、11.75 (s, 1H)

実施例 5

N-(4-エトキシカルボニルフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 14)

実施例 4 と同様の方法で表記化合物を合成した。

$^1\text{H-NMR}$ (DMSO- d_6 , 270MHz) δ ppm: 1.32 (m, 6H)、3.80 (s, 3H)、3.88 (s, 3H)、4.33 (m, 4H)、7.48 (s, 1H)、7.62 (d, $J = 8.4$ Hz, 2H)、7.68 (d, $J = 8.6$ Hz, 2H)、7.91 (m, 4H)、8.44 (s, 1H)、9.29 (s, 1H)、9.34 (s, 1H)、11.76 (s, 1H)

実施例 6

N-(4-アセチルフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 12)

実施例 4 と同様の方法で表記化合物を合成した。

$^1\text{H-NMR}$ (DMSO- d_6 , 270MHz) δ ppm: 1.35 (t, $J = 7.2$ Hz, 3H)、3.80 (s, 3H)、3.88 (s, 3H)、4.37 (q, $J = 7.2$ Hz, 2H)、7.48 (s, 1H)、7.62 (d, $J = 8.9$ Hz, 2H)、7.68 (d, $J = 8.9$ Hz, 2H)、7.93 (m, 4H)、8.44 (s, 1H)、9.34 (s, 1H)、9.38 (s, 1H)、11.76 (s, 1H)

実施例 7

N-(4-メトキシフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 35)

実施例 4 と同様の方法で表記化合物を合成した。

$^1\text{H-NMR}$ (DMSO- d_6 , 270MHz) δ ppm: 1.35 (t, $J = 7.2$ Hz, 3H)、3.73 (s, 3H)、3.80 (s, 3H)、3.88 (s, 3H)、4.37 (q, $J = 7.2$ Hz, 2H)、6.89 (d, $J = 9.2$ Hz, 2H)、7.38 (d, $J = 8.6$ Hz, 2H)、7.48 (s, 1H)、7.65 (d, $J = 8.9$ Hz, 2H)、7.89 (d, $J = 8.9$ Hz, 2H)、8.45 (s, 1H)、8.73 (s, 1H)、9.11 (s, 1H)、11.75 (s, 1H)

実施例 8

N-(2-メトキシフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニル

フェニル) アミノカルボニル] フェニル} ウレア (化合物番号 37)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.35 (t, J = 7.2 Hz, 3H) 、 3.80 (s, 3H) 、 3.88 (s, 3H) 、 3.89 (s, 3H) 、 4.37 (q, J = 7.2 Hz, 2H) 、 7.00 (m, 3H) 、 7.48 (s, 1H) 、 7.66 (d, J = 8.4 Hz, 2H) 、 7.90 (d, J = 8.9 Hz, 2H) 、 8.13 (dd, J = 1.6, 7.3 Hz, 1H) 、 8.41 (s, 1H) 、 8.45 (s, 1H) 、 9.75 (s, 1H) 、 11.76 (s, 1H)

実施例 9

N-(3-メトキシフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル) アミノカルボニル] フェニル} ウレア (化合物番号 36)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.35 (t, J = 7.2 Hz, 3H) 、 3.74 (s, 3H) 、 3.80 (s, 3H) 、 3.88 (s, 3H) 、 4.37 (q, J = 7.2 Hz, 2H) 、 6.58 (dd, J = 2.4, 8.1 Hz, 1H) 、 6.96 (d, J = 9.5 Hz, 1H) 、 7.20 (m, 2H) 、 7.48 (s, 1H) 、 7.66 (d, J = 8.6 Hz, 2H) 、 7.90 (d, J = 8.9 Hz, 2H) 、 8.44 (s, 1H) 、 8.97 (s, 1H) 、 9.21 (s, 1H) 、 11.75 (s, 1H)

実施例 10

N-(3, 4, 5-トリメトキシフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル) アミノカルボニル] フェニル} ウレア (化合物番号 101)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.35 (t, J = 7.2 Hz, 3H) 、 3.61 (s, 3H) 、 3.76 (s, 6H) 、 3.80 (s, 3H) 、 3.88 (s, 3H) 、 4.37 (q, J = 7.2 Hz, 2H) 、 6.83 (s, 2H) 、 7.48 (s, 1H) 、 7.67 (d, J = 8.4 Hz, 2H) 、 7.90 (d, J = 8.9 Hz, 2H) 、 8.44 (s, 1H) 、 8.93 (s, 1H) 、 9.19 (s, 1H) 、 11.74 (s, 1H)

実施例 11

N-(3-ピリジル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル) アミノカルボニル] フェニル} ウレア (化合物番号 972)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.35 (t, J = 7.2 Hz, 3H) 、 3.80 (s, 3H) 、

3.88 (s, 3H)、4.37 (q, J = 7.2 Hz, 2H)、7.34 (m, 1H)、7.48 (s, 1H)、
7.69 (d, J = 8.6 Hz, 2H)、7.90 (d, J = 8.9 Hz, 2H)、7.97 (d, J = 8.9
Hz, 1H)、8.20 (d, J = 4.3 Hz, 1H)、8.44 (s, 1H)、8.66 (s, 1H)、9.50
(s, 1H)、9.70 (s, 1H)、11.75 (s, 1H)

実施例 12

N-ベンジル-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノ
カルボニル]フェニル]ウレア (化合物番号 112)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.34 (t, J = 7.2 Hz, 3H)、3.80 (s, 3H)、
3.87 (s, 3H)、4.37 (m, 4H)、6.99 (t, J = 6.5 Hz, 1H)、7.28 (m, 5H)、
7.47 (s, 1H)、7.61 (d, J = 8.6 Hz, 2H)、7.84 (d, J = 8.9 Hz, 1H)、
8.44 (s, 1H)、9.18 (s, 1H)、11.72 (s, 1H)

実施例 13

N-シクロヘキシル-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)
アミノカルボニル]フェニル]ウレア (化合物番号 103)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.20 (m, 6H)、1.34 (t, J = 7.2Hz, 3H)、
1.65 (m, 4H)、3.48 (m, 1H)、3.79 (s, 3H)、3.87 (s, 3H)、4.37 (m,
4H)、6.42 (d, J = 7.8 Hz, 1H)、7.47 (s, 1H)、7.57 (d, J = 8.9 Hz,
2H)、7.83 (d, J = 8.9 Hz, 1H)、8.45 (s, 1H)、8.88 (s, 1H)、11.72 (s,
1H)

実施例 14

N-ノルマルブチル-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)
アミノカルボニル]フェニル]ウレア (化合物番号 107)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 0.90 (t, J = 6.7 Hz, 3H)、1.27 (m, 4H)、
1.34 (t, J = 7.2 Hz, 3H)、3.10 (q, J = 5.7 Hz, 2H)、3.80 (s, 3H)、
3.87 (s, 3H)、4.37 (m, 4H)、6.45 (t, J = 5.4 Hz, 1H)、7.47 (s, 1H)、
7.59 (d, J = 8.9 Hz, 2H)、7.83 (d, J = 8.6 Hz, 1H)、8.45 (s, 1H)、

8.98 (s, 1H) 、 11.72 (s, 1H)

実施例 15

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル) アミノカルボニル] フェニル] チオウレア (化合物番号 315)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.35 (t, J = 7.2 Hz, 3H) 、 3.80 (s, 3H) 、 3.88 (s, 3H) 、 4.37 (q, J = 7.2 Hz, 2H) 、 7.14 (t, J = 6.8 Hz, 1H) 、 7.35 (m, 3H) 、 7.48 (m, 3H) 、 7.76 (d, J = 8.9 Hz, 2H) 、 7.91 (d, J = 8.9 Hz, 2H) 、 8.44 (s, 1H) 、 10.21 (s, br, 2H) 、 11.80 (s, 1H)

実施例 16

N-フェニル-N'-[3-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル) アミノカルボニル] フェニル] ウレア (化合物番号 691)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.34 (t, J = 7.2 Hz, 3H) 、 3.81 (s, 3H) 、 3.89 (s, 3H) 、 4.36 (q, J = 7.2 Hz, 2H) 、 6.99 (t, J = 7.3 Hz, 1H) 、 7.29 (t, J = 8.3 Hz, 2H) 、 7.49 (m, 5H) 、 7.23 (m, 1H) 、 8.08 (s, 1H) 、 8.42 (s, 1H) 、 8.92 (s, 1H) 、 9.13 (s, 1H) 、 11.76 (s, 1H)

実施例 17

N-フェニル-N'-[2-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル) アミノカルボニル] フェニル] ウレア (化合物番号 692)

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.35 (t, J = 7.2 Hz, 3H) 、 3.80 (s, 3H) 、 3.88 (s, 3H) 、 4.37 (q, J = 7.2 Hz, 2H) 、 6.96 (t, J = 7.3 Hz, 1H) 、 7.16 (t, J = 7.8 Hz, 1H) 、 7.26 (t, J = 7.3 Hz, 2H) 、 7.51 (m, 4H) 、 7.80 (d, J = 7.0 Hz, 1H) 、 8.12 (s, 1H) 、 8.20 (d, J = 5.7 Hz, 2H) 、 9.61 (s, 1H) 、 9.79 (s, 1H) 、 11.47 (s, 1H)

実施例 18

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル) アミノカルボニル] フェニル] ウレア (化合物番号 158)

0.66g の 4,5-ジメトキシ-2-ニトロ安息香酸と 5 ml の塩化チオニルをクロロホルム 40 ml に加えて還流下 6 時間攪拌し後に濃縮した。残さをジクロロメタン 20 ml に溶かした後に、氷浴下アンモニア水 20 ml を加えた後、室温下で 10 分間激しく攪拌した。有機層を分取して濃縮し、残さと 0.20 g の 5% Pd/C をメタノール 50 ml に加え、水素雰囲気下、室温で 19 時間攪拌した。反応液を濾過し、濾液を濃縮することで 0.55 g の 2-アミノ-4,5-ジメトキシベンズアミドを白色固体として得た。

引き続き 0.55g のこの固体をジクロロメタン 50 ml に溶かした後に 2.00 g の 4-ニトロ安息香酸クロリドと 2 ml のトリエチルアミンを加えて室温で 6 時間攪拌した。反応液を飽和重曹水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをメタノールで洗浄し、乾燥することで 0.72 g の 2-(4-ニトロフェニル)-カルボニルアミノ-4,5-ジメトキシベンズアミドを黄土色固体として得た。

引き続き 0.68g のこの固体と 0.10 g の 5% Pd/C をメタノール 50 ml に加えた後に水素雰囲気下、室温で 40 時間攪拌した。反応液を濾過、濾液を濃縮し 0.35 g の 2-(4-アミノフェニル)-カルボニルアミノ-4,5-ジメトキシベンズアミドを黄色固体として得た。

引き続き 0.12 g のこの固体、0.14 g のフェニルイソシアネート、0.10 g の 4-ジメチルアミノピリジンをテトラヒドロフラン 30 ml に加えた後に 70℃で 4 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：酢酸エチル=20:1→ジクロロメタン：メタノール= 30:1）、白色固体として、表記化合物を 80 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.81 (s, 3H)、3.84 (s, 3H)、7.00 (t, J = 8.1 Hz, 1H)、7.30 (t, J = 8.4 Hz, 2H)、7.44 (s, 1H)、7.47 (d, J = 7.9 Hz, 2H)、7.64 (m, 3H)、7.87 (d, J = 8.6 Hz, 2H)、8.31 (s, 1H)、8.53 (s, 1H)、8.87 (s, 1H)、9.13 (s, 1H)、13.21 (s, 1H)

実施例 19

N-フェニル-N'-[4-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボ

ニル}フェニル}-N'-メチルウレア (化合物番号 976)

2-(4-アミノフェニル)-カルボニルアミノ-4,5-ジメトキシベンズアミド 40 mg、60 mg のヒドロキシベンズトリアゾール (HOBt)、50 mg のトリエチルアミン、70 mg の 4-メチルアミノ安息香酸を DMF に加えて 30 分間攪拌した後に、80 mg の 1-エチル-3-[3-(ジメチルアミノ)プロピル]-カルボジイミド塩酸塩 (WSCl) を氷浴下加えた後、室温に戻し 50 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し (溶出溶媒ジクロロメタン: 酢酸エチル=30:1→ジクロロメタン: メタノール= 50:1)、80mg の白色固体を得た。

引き続き 30 mg のこの固体、60 mg のフェニルイソシアネート、30 mg の 4-ジメチルアミノピリジンをテトラヒドロフラン 10 ml に加えた後に 70℃で 6 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し (溶出溶媒ジクロロメタン: 酢酸エチル=30:1→ジクロロメタン: メタノール= 30:1)、白色固体として、表記化合物を 20 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.35 (s, 3H)、3.81 (s, 3H)、3.85 (s, 3H)、6.97 (t, J = 8.5 Hz, 1H)、7.25 (t, J = 8.4 Hz, 2H)、7.45 (m, 5H)、7.68 (s, 1H)、7.94 (d, J = 8.1 Hz, 2H)、8.33 (s, 1H)、8.53 (s, 1H)、8.59 (s, 1H)、13.32 (s, 1H)

実施例 20

N-フェニル-N'-[3-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-4-ピリジル]ウレア (化合物番号 971)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.82 (s, 3H)、3.85 (s, 3H)、7.02 (t, J = 7.3 Hz, 1H)、7.32 (m, 3H)、7.46 (s, 1H)、7.51 (d, J = 5.1 Hz, 2H)、7.69 (dd, J = 1.9, 5.1 Hz, 1H)、8.12 (s, 1H)、8.25 (d, J = 2.4 Hz, 1H)、8.47 (d, J = 5.4 Hz, 1H)、8.57 (s, 1H)、9.33 (s, 1H)、9.83 (s, 1H)、13.33 (s, 1H)

実施例 21

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-2-ピリジル]ウレア (化合物番号 972)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.82 (s, 3H)、3.84 (s, 3H)、7.04 (t, J = 7.3 Hz, 1H)、7.33 (t, J = 7.8 Hz, 3H)、7.46 (s, 1H)、7.54 (d, J = 7.0 Hz, 2H)、7.73 (s, 1H)、7.79 (d, J = 8.9 Hz, 1H)、8.21 (dd, J = 2.4, 8.6Hz, 1H)、8.36 (s, 1H)、8.48 (s, 1H)、8.83 (d, J = 2.1 Hz, 1H)、9.86 (s, 1H)、10.20 (s, 1H)、13.35 (s, 1H)

実施例 22

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-3-メトキシフェニル]ウレア (化合物番号 726)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.81 (s, 3H)、3.84 (s, 3H)、3.99 (s, 3H)、6.99 (t, J = 7.3 Hz, 1H)、7.31 (t, J = 8.1 Hz, 2H)、7.46 (s, 1H)、7.49 (m, 2H)、7.58 (s, 1H)、7.73 (s, 1H)、8.33 (s, 1H)、8.36 (s, 1H)、8.56 (d, J = 3.5 Hz, 2H)、9.49 (s, 1H)、13.29 (s, 1H)

実施例 23

N-フェニル-N'-[3-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-4-メトキシフェニル]ウレア (化合物番号 727)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.81 (s, 3H)、3.84 (s, 3H)、3.98 (s, 3H)、6.98 (t, J = 7.3 Hz, 1H)、7.19 (d, J = 8.4 Hz, 1H)、7.30 (t, J = 7.8 Hz, 1H)、7.44 (s, 1H)、7.46 (t, J = 7.8 Hz, 2H)、7.60 (dd, J = 2.1, 8.1 Hz, 1H)、7.63 (s, 1H)、8.29 (s, 1H)、8.38 (s, 1H)、8.53 (s, 1H)、8.79 (d, J = 2.4 Hz, 2H)、9.37 (s, 1H)、13.14 (s, 1H)

実施例 24

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニルメチル]フェニル]ウレア (化合物番号 748)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.59 (s, 2H)、3.76 (s, 3H)、3.77 (s, 3H)、6.95 (t, J = 8.1 Hz, 1H)、7.24 (m, 9H)、7.56 (s, 1H)、8.16 (s, 1H)、8.28 (s, 1H)、8.76 (s, 2H)、12.13 (s, 1H)

実施例 25

N-フェニル-N'-[4-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニルエチル]フェニル]ウレア (化合物番号 751)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.61 (t, J = 7.6 Hz, 2H)、2.87 (t, J = 8.4 Hz, 2H)、3.78 (s, 6H)、6.94 (t, J = 7.6 Hz, 1H)、7.15 (d, J = 8.4 Hz, 2H)、7.26 (t, J = 8.4 Hz, 2H)、7.35 (s, 1H)、7.36 (d, J = 8.4 Hz, 2H)、7.44 (d, J = 7.8 Hz, 2H)、7.56 (s, 1H)、8.17 (s, 1H)、8.29 (s, 1H)、8.73 (s, 1H)、8.77 (s, 1H)、12.12 (s, 1H)

実施例 26

N-[4-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]フェニル]-N'-メチル-N'-フェニルウレア (化合物番号 977)

2-(4-アミノフェニル)-カルボニルアミノ-4,5-ジメトキシベンズアミド 0.11 g を THF 10 ml に溶かした後に 0.50 g の N-フェニル-N-メチルカルバモイルクロリドと 1 ml のジイソプロピルエチルアミン加え、還流下 16 時間攪拌した。反応液を水にあげてジクロロメタン抽出を行い、無水硫酸マグネシウムで乾燥後、濃縮した。残さをメタノールで洗浄し、乾燥することで 50 mg の白色固体を得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.29 (s, 3H)、3.81 (s, 3H)、3.83 (s, 3H)、7.27 (t, J = 6.8 Hz, 1H)、7.44 (m, 5H)、7.63 (m, 3H)、7.80 (d, J = 8.9 Hz, 2H)、8.30 (s, 1H)、8.52 (s, 1H)、8.53 (s, 1H)、13.18 (s, 1H)

実施例 27

N-[4-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]フェニル]-N,N'-ジメチル-N'-フェニルウレア (化合物番号 978)

実施例 26 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.12 (s, 3H)、3.18 (s, 3H)、3.81 (s, 3H)、3.83 (s, 3H)、7.00 (m, 3H)、7.12 (m, 4H)、7.44 (s, 1H)、7.68 (m, 3H)、8.32 (s, 1H)、8.49 (s, 1H)、13.18 (s, 1H)

実施例 28

N-(3, 4, 5-トリメトキシフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]-3-メトキシフェニル} ウレア (化合物番号 792)

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.61 (s, 3H)、3.76 (s, 6H)、3.81 (s, 3H)、3.84 (s, 3H)、3.98 (s, 3H)、6.81 (s, 2H)、7.53 (m, 3H)、7.74 (s, 1H)、8.33 (m, 2H)、8.51 (s, 1H)、8.55 (s, 1H)、9.49 (s, 1H)、13.28 (s, 1H)

実施例 29

N-フェニル-N'-[4-[(4-メチル-2-カルバモイルフェニル)アミノカルボニル]フェニル} ウレア (化合物番号 633)

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.32 (s, 3H)、6.99 (t, J = 8.1 Hz, 1H)、7.37 (m, 3H)、7.48 (d, J = 7.3 Hz, 2H)、7.66 (m, 6H)、8.36 (s, 1H)、8.59 (d, J = 8.9 Hz, 2H)、9.00 (s, 1H)、9.26 (s, 1H)、12.73 (s, 1H)

実施例 30

N-フェニル-N'-[4-[(6-カルバモイル-3, 4-メチレンジオキシフェニル)アミノカルボニル]フェニル} ウレア (化合物番号 652)

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 6.12 (s, 2H)、6.99 (t, J = 7.3 Hz, 1H)、7.30 (t, J = 7.3 Hz, 2H)、7.47 (d, J = 7.9 Hz, 2H)、7.50 (s, 1H)、7.63 (d, J = 8.9 Hz, 2H)、7.71 (s, 1H)、7.86 (d, J = 8.4 Hz, 2H)、8.21 (s, 1H)、8.36 (s, 1H)、8.91 (s, 1H)、9.18 (s, 1H)、13.28 (s, 1H)

実施例 31

N-フェニル-N'-[4-[(2-カルバモイル-4-メトキシフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 631)

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.89 (s, 3H) 、 6.99 (t, J = 8.1 Hz, 1H) 、 7.30 (t, J = 7.8 Hz, 2H) 、 7.45 (m, 4H) 、 7.64 (m, 3H) 、 7.97 (s, 1H) 、 8.13 (d, J = 8.7 Hz, 2H) 、 8.92 (s, 1H) 、 9.14 (s, 1H) 、 12.37 (s, 1H)

実施例 32

N-(4-エトキシカルボニルフェニル)-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 171)

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.32 (t, J = 7.3 Hz, 3H) 、 3.81 (s, 3H) 、 3.84 (s, 3H) 、 4.33 (q, J = 7.3 Hz, 2H) 、 7.45 (s, 1H) 、 7.65 (m, 5H) 、 7.89 (m, 4H) 、 8.32 (s, 1H) 、 8.53 (s, 1H) 、 9.46 (s, 1H) 、 9.51 (s, 1H) 、 13.22 (s, 1H)

実施例 33

N-フェニル-N'-[3-[(2-カルバモイルチエニル)アミノカルボニル]フェニル]ウレア (化合物番号 916)

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 7.00 (t, J = 7.3 Hz, 1H) 、 7.30 (t, J = 8.4 Hz, 2H) 、 7.48 (d, J = 7.8 Hz, 2H) 、 7.78 (m, 7H) 、 8.11 (d, J = 5.4 Hz, 1H) 、 8.93 (s, 1H) 、 9.23 (s, 1H) 、 12.31 (s, 1H)

実施例 34

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-3-メチルフェニル]ウレア (化合物番号 744)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.34 (s, 3H) 、 3.81 (s, 3H) 、 3.84 (s, 3H) 、 6.99 (t, J = 7.3 Hz, 1H) 、 7.31 (t, J = 7.3 Hz, 2H) 、 7.44 (s, 1H) 、 7.49 (d, J = 7.6 Hz, 2H) 、 7.75 (m, 3H) 、 8.16 (d, J = 7.8 Hz, 1H) 、 8.33 (s, 2H) 、 8.54 (s, 1H) 、 9.38 (s, 1H) 、 13.22 (s, 1H)

実施例 35

N-フェニル-N'-[3-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-4-メチルフェニル} ウレア (化合物番号 745)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.33 (s, 3H)、3.81 (s, 3H)、3.84 (s, 3H)、6.97 (t, J = 7.3 Hz, 1H)、7.37 (m, 7H)、7.66 (s, 1H)、8.30 (s, 1H)、8.38 (s, 1H)、8.45 (s, 1H)、8.54 (s, 1H)、9.35 (s, 1H)、13.21 (s, 1H)

実施例 36

N-フェニル-N'-[4-クロル-3-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]フェニル} ウレア (化合物番号 746)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.82 (s, 3H)、3.85 (s, 3H)、7.01 (t, J = 7.3 Hz, 1H)、7.31 (t, J = 8.1 Hz, 2H)、7.54 (m, 4H)、7.68 (d, J = 8.1 Hz, 2H)、8.34 (s, 1H)、8.50 (s, 1H)、8.69 (s, 1H)、8.78 (d, J = 1.8 Hz, 1H)、9.67 (s, 1H)、13.34 (s, 1H)

実施例 37

N-フェニル-N'-[3-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-4-ヒドロキシフェニル} ウレア (化合物番号 728)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.81 (s, 3H)、3.84 (s, 3H)、6.97 (m, 2H)、7.29 (t, J = 7.8 Hz, 2H)、7.46 (m, 4H)、7.60 (s, 1H)、8.26 (s, 1H)、8.32 (s, 1H)、8.54 (s, 1H)、8.71 (d, J = 2.2 Hz, 1H)、9.34 (s, 1H)、13.22 (s, 1H)

実施例 38

N-フェニル-N'-[3-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-4-(2-(N-モルホリニル)エトキシ)フェニル} ウレア (化合物番号 747)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.81 (s, 3H)、3.84 (s, 3H)、3.70 (m,

12H)、6.99 (t, J = 7.3 Hz, 1H)、7.27 (m, 3H)、7.50 (m, 4H)、7.64 (s, 1H)、8.23 (s, 1H)、8.29 (s, 1H)、8.53 (s, 1H)、8.75 (d, J = 2.4 Hz, 1H)、9.43 (s, 1H)、13.15 (s, 1H)

実施例 39

N-フェニル-N'-[4-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニル]-2-チエニル]ウレア (化合物番号 975)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.81 (s, 3H)、3.83 (s, 3H)、6.92 (s, 1H)、6.99 (t, J = 8.1 Hz, 1H)、7.30 (t, J = 8.1 Hz, 2H)、7.46 (m, 4H)、8.62 (s, 1H)、8.31 (s, 1H)、8.46 (s, 1H)、9.00 (s, 1H)、10.28 (s, 1H)、13.02 (s, 1H)

実施例 40

N-トリイル-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]-フェニル]ウレア (化合物番号 2)

実施例 1 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.35 (t, J = 7.0 Hz, 3H)、2.25 (s, 3H)、3.80 (s, 3H)、3.88 (s, 3H)、4.37 (q, J = 7.0 Hz, 2H)、7.10 (d, J = 8.4 Hz, 2H)、7.38 (d, J = 8.4 Hz, 2H)、7.48 (s, 1H)、7.67 (d, J = 8.9 Hz, 2H)、7.89 (d, J = 8.9 Hz, 2H)、8.45 (s, 1H)、9.09 (s, 1H)、9.43 (s, 1H)、11.75 (s, 1H)

実施例 41

N-フェニル-N'-[3-[(4, 5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニルメトキシ]フェニル]ウレア (化合物番号 994)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.79 (s, 3H)、3.80 (s, 3H)、4.63 (s, 2H)、6.67 (m, 1H)、6.96 (t, J = 7.0 Hz, 1H)、7.04 (d, J = 8.9 Hz, 1H)、7.24 (m, 4H)、7.38 (s, 1H)、7.47 (d, J = 7.8 Hz, 2H)、7.61 (s, 1H)、8.18 (s, 1H)、8.43 (s, 1H)、9.01 (s, 1H)、9.08 (s, 1H)、12.84 (s, 1H)

実施例 42

N-(4-アセトキシフェニル)-N'-[4-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニルエチル]フェニル]ウレア (化合物番号 1073)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.62 (t, J = 7.3 Hz, 2H)、2.88 (t, J = 7.3 Hz, 2H)、3.78 (s, 6H)、7.17 (d, J = 8.4 Hz, 2H)、7.36 (m, 3H)、7.57 (m, 3H)、7.89 (d, J = 8.9 Hz, 2H)、8.18 (s, 1H)、8.29 (s, 1H)、8.86 (s, 1H)、9.21 (s, 1H)、12.13 (s, 1H)

実施例 43

N-(3-ピリジル)-N'-[4-[(4,5-ジメトキシ-2-カルバモイルフェニル)アミノカルボニルエチル]フェニル]ウレア (化合物番号 1071)

実施例 19 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.62 (t, J = 7.3 Hz, 2H)、2.88 (t, J = 7.3 Hz, 2H)、3.78 (s, 6H)、7.17 (d, J = 8.4 Hz, 2H)、7.33 (m, 4H)、7.56 (s, 1H)、7.91 (m, 1H)、8.17 (m, 2H)、8.29 (s, 1H)、8.59 (d, J = 2.4 Hz, 1H)、8.81 (s, 1H)、8.91 (s, 1H)、12.13 (s, 1H)

実施例 44

N-(3-ピリジル)-N'-[4-[(4,5-ジフルオロ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]ウレア (化合物番号 1094)

実施例 1 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.34 (t, J = 7.2 Hz, 3H)、4.37 (q, J = 7.2 Hz, 2H)、7.34 (m, 1H)、7.69 (d, J = 8.6 Hz, 2H)、7.97 (m, 4H)、8.21 (m, 1H)、8.64 (m, 2H)、9.31 (s, 1H)、9.55 (s, 1H)、11.59 (s, 1H)

実施例 45

N-(4-アミノフェニル)-N'-[4-[(4,5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.0 Hz, 3H)、2.67 (t, J =

7.3 Hz, 2H)、2.87 (t, J = 7.3 Hz, 2H)、3.77 (s, 3H)、3.81 (s, 3H)、
4.31 (q, J = 7.3 Hz, 2H)、4.75 (s, 2H)、6.49 (d, J = 8.9 Hz, 2H)、
7.05 (d, J = 8.6 Hz, 2H)、7.14 (d, J = 8.1 Hz, 2H)、7.32 (d, J = 8.4
Hz, 2H)、7.39 (s, 1H)、8.12 (s, 1H)、8.14 (s, 1H)、8.43 (s, 1H)、
10.74 (s, 1H)

実施例 46

N-(4-ニトロフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.0 Hz, 3H)、2.69 (t, J =
7.3 Hz, 2H)、2.90 (t, J = 7.3 Hz, 2H)、3.77 (s, 3H)、3.82 (s, 3H)、
4.31 (q, J = 7.0 Hz, 2H)、7.19 (d, J = 8.4 Hz, 2H)、7.38 (s, 1H)、
7.40 (d, J = 8.9 Hz, 2H)、7.69 (d, J = 9.1 Hz, 2H)、8.14 (s, 1H)、
8.18 (d, J = 9.1 Hz, 2H)、9.12 (s, 1H)、9.70 (s, 1H)、10.74 (s, 1H)

実施例 47

N-(2-アミノフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.3 Hz, 3H)、2.67 (t, J =
7.8 Hz, 2H)、2.87 (t, J = 7.8 Hz, 2H)、3.77 (s, 3H)、3.81 (s, 3H)、
4.31 (q, J = 7.3 Hz, 2H)、4.78 (s, 2H)、6.56 (t, J = 6.8 Hz, 1H)、6.71
(d, J = 6.8 Hz, 1H)、6.80 (t, J = 6.8 Hz, 1H)、7.39 (m, 4H)、7.95 (s,
1H)、8.14 (s, 1H)、8.94 (s, 1H)、10.74 (s, 1H)

実施例 48

N-(2-ニトロフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.3 Hz, 3H)、2.69 (t, J =
7.8 Hz, 2H)、2.89 (t, J = 7.8 Hz, 2H)、3.77 (s, 3H)、3.81 (s, 3H)、

4.31 (q, J = 7.3 Hz, 2H)、7.20 (m, 3H)、7.39 (m, 3H)、7.69 (t, J = 7.3 Hz, 1H)、8.09 (dd, J = 1.1、8.4 Hz, 1H)、8.14 (s, 1H)、8.28 (d, J = 8.4 Hz, 1H)、9.63 (s, 1H)、9.82 (s, 1H)、10.74 (s, 1H)

実施例 49

N-(3-アミノフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.0 Hz, 3H)、2.67 (t, J = 7.3 Hz, 2H)、2.88 (t, J = 7.3 Hz, 2H)、3.77 (s, 3H)、3.82 (s, 3H)、4.30 (q, J = 7.3 Hz, 2H)、5.01 (s, 2H)、6.17 (d, J = 9.5 Hz, 1H)、6.54 (d, J = 8.6 Hz, 1H)、6.76 (s, 1H)、6.87 (t, J = 7.8 Hz, 1H)、7.15 (d, J = 8.1 Hz, 2H)、7.34 (d, J = 8.1 Hz, 2H)、7.39 (s, 1H)、8.14 (s, 1H)、8.40 (s, 1H)、8.55 (s, 1H)、10.74 (s, 1H)

実施例 50

N-(3-ニトロフェニル)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 4 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.0 Hz, 3H)、2.69 (t, J = 7.3 Hz, 2H)、2.90 (t, J = 7.3 Hz, 2H)、3.77 (s, 3H)、3.82 (s, 3H)、4.31 (q, J = 7.3 Hz, 2H)、7.18 (d, J = 8.4 Hz, 2H)、7.41 (m, 3H)、7.55 (t, J = 8.4 Hz, 1H)、7.72 (d, J = 9.2 Hz, 1H)、7.80 (dd, J = 1.9、7.8 Hz, 1H)、8.14 (s, 1H)、8.56 (m, 1H)、9.04 (s, 1H)、9.48 (s, 1H)、10.74 (s, 1H)

実施例 51

N-(4-ピペリジノ)-N'-[4-[(4, 5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニルエチル]フェニル]ウレア

トリホスゲン 60 mg をテトラヒドロフラン 10 ml に加えた後に、窒素雰囲気、室温下、4-アミノ-N-*t*-ブチロキシカルボニルピペリジン 110 mg、ジイソプロピルエチルアミン 80 mg の THF 溶液を滴下した後 60℃で一時間攪拌した。その反

応液に 2-(4-アミノフェニル) エチルカルボニルアミノ-4, 5-ジメトキシ安息香酸エチルエステル 110 mg、4-ジメチルアミノピリジン 30 mg を加えたのちに 60℃で 3 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：酢酸エチル=30:1→ジクロロメタン：メタノール= 50:1）、白色固体を 120 mg 得た。引き続き、4 N 塩化水素・ジオキサン溶液 20 ml に加え、室温で 3 時間攪拌し、析出固体を濾別、真空乾燥することで白色固体として表記化合物を 90 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.0 Hz, 3H)、1.52 (m, 2H)、1.92 (m, 2H)、3.00 (m, 8H)、3.51 (m, 1H)、3.76 (s, 3H)、3.81 (s, 3H)、4.30 (q, J = 7.0 Hz, 2H)、6.47 (d, J = 7.3 Hz, 1H)、7.09 (t, J = 8.6 Hz, 2H)、7.27 (d, J = 8.6 Hz, 2H)、7.34 (s, 1H)、8.14 (s, 1H)、8.35 (s, 1H)、10.74 (s, 1H)

実施例 52

N-フェニル-N'-[4-[(2-エトキシカルボニル-5-ヒドロキシ-4-メトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

2.00 g のバニリンを 20 ml の DMF に溶かした後に、4.00 g の塩化ベンジル、2.20 g の炭酸カリウムを加えて 55℃で 7 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮し、3.82 g の無色透明液体を得た。

引き続き、得られた液体を氷浴下 30 分かけて 60 ml の濃硝酸に加えた後、室温下 2 時間攪拌した。反応液を氷にあげて析出した固体を濾別し水で洗った後に真空乾燥し、2.00 g の黄色固体を得た。

引き続き、得られた固体を 40 ml のアセトンに溶かし、1.80 g の過マンガン酸カリウムを 30 ml の水に溶かした反応液に 80℃の油浴下ゆっくりと滴下した。そのまま 2 時間攪拌した後に反応液を濾過し、濾液を濃縮した。残さを水にあげジクロロメタン抽出した後、水層を塩酸で pH 4 に調整した。ジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮し、0.50 g の黄色液体を得た。

引き続き、得られた液体を 30 ml のクロロホルムに加えた後、5 ml の塩化チオニルを加え、還流下 5 時間攪拌した。溶媒を減圧留去し、残さに 20 ml のエタノールを加えて 3 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮し、残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン）、0.12 g の白色固体を得た。

引き続きこの固体と 30 mg の 5%Pd/C をメタノール 100 ml に加えたのちに水素雰囲気下、室温で 16 時間攪拌した。反応液を濾過し、濾液を濃縮し残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン）、0.05 g の白色固体を得た。

引き続き、得られた固体をジクロロメタン 10 ml に溶かした後に 0.04 g の 4-ニトロシンナモイルクロリドと 0.2 ml のジイソプロピルエチルアミンを加えて室温で 2 時間攪拌した。反応液を飽和重曹水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さと 20 mg の 5%Pd/C をエタノール 20 ml に加えたのちに水素雰囲気下、室温で 16 時間攪拌した。反応液を濾過し、濾液を濃縮して 0.08 g の黄色固体を得た。

引き続き、得られた固体、0.08 g のフェニルイソシアネート、0.03 g のジメチルアミノピリジンをテトラヒドロフラン 10 ml に加えたのちに還流下 8 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：メタノール=100:1→10:1）、白色固体として、表記化合物を 90 mg 得た。

$^1\text{H-NMR}$ (DMSO- d_6 , 270MHz) δ ppm: 1.31 (t, J = 7.0 Hz, 3H)、2.64 (t, J = 7.3 Hz, 2H)、2.87 (t, J = 7.3 Hz, 2H)、3.75 (s, 3H)、4.28 (q, J = 7.3 Hz, 2H)、6.95 (t, J = 7.6 Hz, 1H)、7.15 (d, J = 8.4 Hz, 2H)、7.26 (t, J = 7.8 Hz, 2H)、7.35 (d, J = 8.9 Hz, 2H)、7.43 (s, 1H)、7.44 (d, J = 7.8 Hz, 2H)、8.00 (s, 1H)、8.62 (m, 2H)、10.30 (s, 1H)、10.75 (s, 1H)

実施例 53

N-フェニル- N'-[4-[(2-エトキシカルボニル-4-メトキシ-5-(N-モルホリノ-2-エトキシ)-フェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 52 で合成した化合物 60 mg を DMF 10 ml に溶かした後に 0.44 g の炭酸カリウム、0.38 g の N-(2-クロロエチル)モルホリン塩酸塩を加え、室温下 16 時間攪拌した。溶媒を減圧留去後、残さを水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：メタノール=100:1→30:1）、白色固体として、表記化合物を 60 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.32 (t, J = 7.0 Hz, 3H)、2.66 (m, 4H)、2.87 (t, J = 7.3 Hz, 2H)、3.30 (m, 2H)、3.57 (t, J = 4.3 Hz, 2H)、3.77 (s, 3H)、4.12 (t, J = 5.9 Hz, 2H)、4.30 (q, J = 7.3 Hz, 2H)、6.94 (t, J = 7.6 Hz, 1H)、7.15 (d, J = 8.6 Hz, 2H)、7.26 (t, J = 8.1 Hz, 2H)、7.37 (d, J = 8.9 Hz, 2H)、7.39 (s, 1H)、7.45 (d, J = 7.8 Hz, 2H)、8.13 (s, 1H)、8.96 (s, 1H)、9.01 (s, 1H)、10.70 (s, 1H)

実施例 54

N-(4-アミノフェニル)- N'-[4-[(2-エトキシカルボニル-4-メトキシ-5-(N-モルホリノ-2-エトキシ)-フェニル)アミノカルボニルエチル]フェニル]ウレア

0.50 g のバニリンを 20 ml の DMF に溶かした後に、1.23 g の N-(2-クロロエチル)モルホリン塩酸塩、1.38 g の炭酸カリウムを加えて 69℃で 10 時間攪拌した。溶媒を減圧留去し、残さを水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮し、0.93 g の柿色液体を得た。

引き続き、得られた液体を氷浴下 30 分かけて 40 ml の濃硝酸に加えた後、更に 3 時間攪拌した。反応液を氷にあげて析出した固体を濾別し水で洗った後に真空乾燥し、0.51 g の黄色固体を得た。

引き続き、得られた固体を 20 ml のアセトンに溶かし、2.00 g のスルファミン酸、2.00 g の亜塩素酸の 10 ml の水溶液を反応液に室温下ゆっくりと滴下した。そのまま 80 時間攪拌した後に反応液を半分に濃縮した。残さを水酸化ナトリウム水溶液で pH 10 に調整した後にジクロロメタン抽出した。水層を濃縮し、残さと 5.00 g の炭酸カリウム、7 ml のヨウ化エチルを 50 ml の DMF に加え室温

下 14 時間攪拌した。溶媒を減圧留去、残さを水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：メタノール=100:1→50:1）、0.40 g の黄色タールを得た。

引き続き、得られたタールと 0.24 g の 5%Pd/C をエタノール 30 ml に加えたのちに水素雰囲気下、室温で 86 時間攪拌した。反応液を濾過し、濾液を濃縮し残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒溶出溶媒ジクロロメタン：メタノール=100:1→50:1）、0.19 g の白色固体を得た。

引き続き、得られた固体をジクロロメタン 10 ml に溶かした後に 0.14 g の 4-ニトロシンナモイルクロリドと 0.4 ml のジイソプロピルエチルアミンを加えて室温で 2 時間攪拌した。反応液を飽和重曹水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮し、残さをメタノール洗浄、真空乾燥することで 0.28g の黄色固体を得た。この固体と 50 mg の 5%Pd/C をエタノール 50 ml に加えたのちに水素雰囲気下、室温で 18 時間攪拌した。反応液を濾過し、濾液を濃縮し、残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒溶出溶媒ジクロロメタン：メタノール=50:1→30:1）、0.20 g の黄色タールを得た。

引き続き、0.07 g の得られた固体、0.04 g の 4-ニトロフェニルイソシアネートをテトラヒドロフラン 10 ml に加えたのちに 69℃で 30 分間攪拌した。反応液濃縮し、残さをメタノール洗浄後真空乾燥することで 0.08 g の白色固体を得られた固体と 50 mg の 5%Pd/C をエタノール 30 ml に加えたのちに水素雰囲気下、室温で 14 時間攪拌した。反応液を濾過し、濾液を濃縮し、残さをメタノール洗浄後真空乾燥することで 0.02 g の黄色タールを得た。

赤色固体として、表記化合物を 20 mg 得た。

$^1\text{H-NMR}$ (DMSO- d_6 , 270MHz) δ ppm: 1.32 (t, $J = 7.0$ Hz, 3H)、2.66 (m, 4H)、2.87 (t, $J = 7.3$ Hz, 2H)、3.30 (m, 2H)、3.57 (t, $J = 4.3$ Hz, 2H)、3.77 (s, 3H)、4.12 (t, $J = 5.9$ Hz, 2H)、4.30 (q, $J = 7.3$ Hz, 2H)、4.74 (s, 2H)、6.49 (d, $J = 7.6$ Hz, 2H)、7.05 (d, $J = 8.4$ Hz, 2H)、7.09 (d, $J = 8.1$ Hz, 2H)、7.33 (d, $J = 8.1$ Hz, 2H)、7.39 (s, 1H)、8.13

(s, 1H)、8.27 (s, 1H)、8.57 (s, 1H)、10.70 (s, 1H)

実施例 55

N-(2-ニトロフェニル)-N'-[4-[(2-カルバモイル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.69 (t, J = 7.8 Hz, 2H)、2.89 (t, J = 7.8 Hz, 2H)、3.78 (s, 6H)、7.20 (m, 3H)、7.39 (m, 4H)、7.56 (s, 1H)、7.69 (t, J = 7.3 Hz, 1H)、8.09 (dd, J = 1.1、8.4 Hz, 1H)、8.14 (s, 1H)、8.28 (d, J = 8.4 Hz, 1H)、9.63 (s, 1H)、9.82 (s, 1H)、10.74 (s, 1H)

実施例 56

N-(3-ニトロフェニル)-N'-[4-[(2-カルバモイル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.69 (t, J = 7.3 Hz, 2H)、2.90 (t, J = 7.3 Hz, 2H)、3.77 (s, 6H)、7.18 (d, J = 8.4 Hz, 2H)、7.41 (m, 4H)、7.55 (m, 2H)、7.72 (d, J = 9.2 Hz, 1H)、7.80 (dd, J = 1.9、7.8 Hz, 1H)、8.14 (s, 1H)、8.56 (m, 1H)、9.04 (s, 1H)、9.48 (s, 1H)、10.74 (s, 1H)

実施例 57

N-(3, 4, 5-トリメトキシフェニル)-N'-[4-[(2-カルバモイル-4, 5-ジメトキシフェニル)アミノカルボニル]-3-メトキシフェニル]ウレア

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 3.62 (s, 3H)、3.77 (s, 6H)、3.81 (s, 3H)、3.84 (s, 3H)、3.99 (s, 3H)、6.81 (s, 2H)、7.54 (m, 3H)、7.74 (s, 1H)、8.33 (d, J = 8.1 Hz, 1H)、8.51 (s, 1H)、8.55 (s, 1H)、9.49 (s, 1H)、13.28 (s, 1H)

実施例 58

N-フェニル-N'-[3-[(2-カルバモイル-4, 5-ジフルオロフェニル)アミノカルボニル]

ル]フェニル]ウレア

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 6.99 (t, J = 7.3 Hz, 1H) 、 7.48 (m, 4H) 、 7.73 (m, 1H) 、 8.04 (m, 3H) 、 8.46 (s, 1H) 、 8.78 (m, 12H) 、 9.03 (s, 1H) 、 13.11 (s, 1H)

実施例 59

N-フェニル-N'-[3-[(6-カルバモイル-2-ピリジル) アミノカルボニルメトキシ]フェニル]ウレア

実施例 18 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 4.80 (s, 2H) 、 6.63 (dd, J = 1.9、8.4 Hz, 1H) 、 7.00 (m, 2H) 、 7.25 (m, 5H) 、 7.44 (d, J = 7.3 Hz, 2H) 、 7.86 (s, 1H) 、 8.19 (dd, J = 1.4、7.8 Hz, 1H) 、 8.33 (s, 1H) 、 8.49 (dd, J = 1.9、9.9 Hz, 1H) 、 8.70 (s, 1H) 、 8.77 (s, 1H) 、 11.98 (s, 1H)

実施例 60

N-フェニル-N'-[3-[(2-カルバモイル-4,5-ジアセトキシフェニル) アミノカルボニルメトキシ]フェニル]ウレア

0.50 g の 2-アミノ-4,5-ジメトキシフェニルカルボキサミドをジクロロメタン 20 ml に溶かし、イソプロパノール・ドライアイス浴下、2ml の 3 臭化ホウ素・10 ml のジクロロメタンの混合溶液を滴下した。その後室温下 16 時間攪拌した。反応液を水にあけ酢酸エチル抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮し、0.54 g の黒色固体を得た。得られた固体を 20 ml の DMF に溶かした後に 0.56 g の無水酢酸、0.56 g のトリエチルアミンを加え室温下 7 時間攪拌した。溶媒を減圧留去後、残さを水にあけ析出固体を濾別し、濾物を水で洗浄後真空乾燥することで 0.35 g のクリーム色の固体を得た。得られた固体と 0.08 g の 5% Pd/C をメタノール 50 ml に加え、水素雰囲気下、室温で 19 時間攪拌した。反応液を濾過し、濾液を濃縮し、残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒溶出溶媒ジクロロメタン：メタノール=100：1→50：1）、0.17 g の淡黄色固体を得た。

以後は実施例 18 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.31 (s, 3H) 、 2.32 (s, 3H) 、 4.68 (s, 2H) 、 6.68 (dd, J = 2.1、8.1 Hz, 1H) 、 6.97 (t, J = 7.3 Hz, 1H) 、 7.05 (d, J = 7.8 Hz, 1H) 、 7.25 (m, 4H) 、 7.45 (d, J = 7.8 Hz, 2H) 、 7.79 (s, 1H) 、 7.88 (s, 1H) 、 8.29 (s, 1H) 、 8.56 (s, 1H) 、 8.76 (s, 1H) 、 8.83 (s, 1H) 、 12.66 (s, 1H)

実施例 61

N-フェニル-N'-[3-[(2-カルバモイル-4,5-ジメトキシフェニル)アミノカルボニルメチル]フェニル]ウレア

実施例 18 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 3.62 (s, 2H) 、 3.76 (s, 3H) 、 3.77 (s, 3H) 、 6.95 (m, 2H) 、 7.34 (m, 7H) 、 7.56 (s, 1H) 、 8.16 (s, 1H) 、 8.29 (s, 1H) 、 8.81 (s, 1H) 、 8.86 (s, 1H) 、 12.19 (s, 1H)

実施例 62

N-フェニル-N'-[3-[(5-カルバモイル-4-メチル-2-チエニル)アミノカルボニル]フェニル]ウレア

実施例 18 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.41 (s, 3H) 、 6.72 (s, 1H) 、 6.99 (t, J = 7.3 Hz, 1H) 、 7.30 (t, J = 8.1 Hz, 2H) 、 7.47 (m, 3H) 、 7.72 (m, 2H) 、 8.04 (s, 1H) 、 8.75 (s, 1H) 、 9.01 (s, 1H) 、 12.99 (s, 1H)

実施例 63

ベンジル-[4-[(4,5-ジメトキシ-2-エトキシカルボニルフェニル)アミノカルボニル]フェニル]カルバマート

2-(4-アミノフェニル)カルボニルアミノ-4,5-ジメトキシ安息香酸エチルエステル 60 mg、0.5 ml のベンジルオキシカルボニルクロリド、30 mg の 4-ジメチルアミノピリジンをテトラヒドロフラン 20 ml に加えたのちに室温下 30 分間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをエタノール洗浄し真空乾燥することで白色固体として、表記化合物を 60 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.33 (t, J = 7.0 Hz, 3H) 、 3.80 (s, 3H) 、

3.87 (s, 3H)、4.36 (q, $J = 7.3$ Hz, 4H)、5.19 (s, 2H)、7.41 (m, 6H)、
7.67 (d, $J = 8.6$ Hz, 2H)、7.89 (d, $J = 8.9$ Hz, 2H)、8.41 (s, 1H)、
10.20 (s, 1H)、11.72 (s, 1H)

実施例 64

(4-ピリジルメチル) [4-[(4,5-ジメトキシ-2-エトキシカルボニルフェニル)ア
ミノカルボニルエチル]フェニル]カルバマート

0.32 g の 1,1-カルボニルジイミダゾールを 3 ml のテトラヒドロフラン (THF)
に溶かした後に 0.22 g の 4-ピリジンメタノールを加え室温下 1 時間攪拌した。
0.35 g の 4-アミノヒドロ桂皮酸、0.60 g の DBU (1,8-ジアザビシクロ [4.3.0]
ウンデカ-7-エン)、0.5 ml のトリエチルアミンを 10 ml のテトラヒドロフラン
に加え室温下 1 時間攪拌したものにこの反応液に加え、そのまま 18 時間攪拌し
た。溶媒を減圧留去し残さを水にあげ 1 N 塩酸で pH 6 に調整した。析出した固
体を濾別し真空乾燥することで 0.08 g の桃色固体として (4-ピリジルメチル)
(4-ヒドロキシカルボニルエチルフェニル)カルバマートを得た。得られた固体を
20 ml のトルエンに加えた後 0.1 ml のオキサリルクロリド、DMF 0.01 ml を加え、
室温下 5 時間攪拌した。析出した固体を濾別しトルエン、次いでエーテルで洗浄
した。0.05 g の 2-アミノ-4,5-ジメトキシ安息香酸エチルエステルを 10 ml のジ
クロロメタンに溶かし、得られた固体と 0.5 ml のトリエチルアミンを加え室温
下 1 時間攪拌した。反応液を飽和重曹水にあげジクロロメタン抽出を行い、有機
層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマ
トグラフィーによって精製し (溶出溶媒ジクロロメタン:メタノール= 100:1→
40:1)、更にメタノールで洗浄後、乾燥し、30 mg の白色固体として表記化合
物を得た。

$^1\text{H-NMR}$ (DMSO- d_6 , 270MHz) δ ppm: 1.31 (t, $J = 7.0$ Hz, 3H)、2.67 (t, $J =$
7.5 Hz, 2H)、2.88 (t, $J = 7.5$ Hz, 2H)、3.76 (s, 3H)、3.81 (s, 3H)、
4.29 (q, $J = 7.3$ Hz, 4H)、5.19 (s, 2H)、7.18 (d, $J = 8.4$ Hz, 2H)、
7.37 (m, 5H)、8.12 (s, 1H)、8.57 (dd, $J = 1.9, 4.3$ Hz, 2H)、9.80 (s,
1H)、10.71 (s, 1H)

実施例 65

N-エチル-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

0.60 g の 2-アミノ-4,5-ジメトキシアセトフェノンを THF 30 ml に溶かした後、0.75 g の 4-ニトロシンナモイルクロリドと 0.45 g のトリエチルアミンを加えて還流下で 1.5 時間撹拌した。反応液の溶媒を減圧留去し、残さをメタノールで洗浄後、乾燥し、1.22 g の黄色固体を得た。

引き続きこの固体と 90 mg の 5%Pd/C をエタノール 100 ml 及び THF 30 ml の混合溶媒に加えたのちに水素雰囲気下、室温で 32 時間撹拌した。反応液を濾過し、濾液を濃縮して 0.92 g の 2-(4-アミノフェニル)カルボニルアミノエチル-4,5-ジメトキシアセトフェノンを白色固体として得た。

引き続き、70 mg の得られた固体、0.11 g のエチルイソシアネート、20 mg の 4-ジメチルアミノピリジンをテトラヒドロフラン 20 ml に加えたのちに 70℃で 5 時間撹拌した。反応液を濃縮し、残さをシリカゲルカラムクロマトグラフィーによって精製し（溶出溶媒ジクロロメタン：メタノール= 100：1→30：1）、残さをメタノール洗浄し真空乾燥することで白色固体として、表記化合物を 50 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.03 (t, J = 7.0 Hz, 3H)、2.60 (s, 1H)、2.65 (t, J = 7.3 Hz, 2H)、2.85 (t, J = 7.3 Hz, 2H)、3.10 (s, J = 7.0 Hz, 2H)、3.82 (s, 1H)、6.03 (t, 1H)、7.09 (d, J = 8.4 Hz, 2H)、7.27 (d, J = 8.4 Hz, 2H)、7.43 (s, 1H)、8.23 (s, 1H)、8.30 (s, 1H)、11.65 (s, 1H)

実施例 66

N-フェニル-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.60 (s, 1H)、2.67 (t, J = 7.6 Hz, 2H)、2.89 (t, J = 7.6 Hz, 2H)、3.82 (s, 6H)、6.95 (t, J = 7.3 Hz, 1H)、7.16 (d, J = 8.4 Hz, 2H)、7.27 (t, J = 8.1 Hz, 2H)、7.35 (d, J = 8.4 Hz, 2H)、7.43 (s, 1H)、7.44 (d, J = 8.4 Hz, 2H)、8.24 (s, 1H)、8.59

(s, 1H)、8.64 (s, 1H)、11.67 (s, 1H)

実施例 67

N-(4-アミノフェニル)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.66 (t, J = 7.6 Hz, 2H)、2.87 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、4.57 (s, 2H)、6.49 (d, J = 8.4 Hz, 2H)、7.05 (d, J = 8.1 Hz, 2H)、7.13 (d, J = 8.6 Hz, 2H)、7.32 (d, J = 8.6 Hz, 2H)、7.43 (s, 1H)、8.10 (s, 1H)、8.24 (s, 1H)、9.40 (s, 1H)、11.67 (s, 1H)

実施例 68

N-(4-ニトロフェニル)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.51 (s, 3H)、2.68 (t, J = 7.6 Hz, 2H)、2.90 (t, J = 7.3 Hz, 2H)、3.85 (s, 6H)、7.19 (d, J = 7.3 Hz, 2H)、7.40 (m, 3H)、7.68 (d, J = 9.5 Hz, 2H)、8.20 (m, 3H)、8.86 (s, 1H)、9.42 (s, 1H)、11.68 (s, 1H)

実施例 69

N-(2-アミノフェニル)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.67 (t, J = 7.3 Hz, 2H)、2.88 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、4.76 (s, 2H)、6.56 (dt, J = 1.4, 7.3 Hz, 1H)、6.72 (dd, J = 1.4, 7.8 Hz, 1H)、6.83 (dt, J = 1.4, 7.8 Hz, 1H)、7.15 (d, J = 8.4 Hz, 2H)、7.36 (m, 3H)、7.43 (s, 1H)、7.71 (s, 1H)、8.24 (s, 1H)、8.69 (s, 1H)、11.66 (s, 1H)

実施例 70

N-(2-ニトロフェニル)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノ

カルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.68 (t, J = 7.3 Hz, 2H)、2.90 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、7.16 (m, 3H)、7.40 (m, 3H)、7.69 (dt, J = 1.6, 8.4 Hz, 1H)、8.09 (dd, J = 1.4, 8.4 Hz, 1H)、8.25 (s, 1H)、8.31 (d, J = 8.4 Hz, 1H)、9.58 (s, 1H)、9.79 (s, 1H)、11.69 (s, 1H)

実施例 71

N-(3-アミノフェニル)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.67 (t, J = 7.3 Hz, 2H)、2.88 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、5.01 (s, 2H)、6.17 (d, J = 9.5 Hz, 1H)、6.54 (d, J = 8.6 Hz, 1H)、6.76 (s, 1H)、6.87 (t, J = 7.8 Hz, 1H)、7.15 (d, J = 8.1 Hz, 2H)、7.34 (d, J = 8.1 Hz, 2H)、7.39 (s, 1H)、8.14 (s, 1H)、8.40 (s, 1H)、8.55 (s, 1H)、11.67 (s, 1H)

実施例 72

N-(3-ニトロフェニル)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.69 (t, J = 7.3 Hz, 2H)、2.90 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、7.19 (d, J = 8.9 Hz, 2H)、7.40 (m, 3H)、7.56 (t, J = 8.1 Hz, 1H)、7.69 (d, J = 8.4 Hz, 1H)、7.80 (dd, J = 1.9, 8.4 Hz, 1H)、8.24 (s, 1H)、8.56 (m, 1H)、8.78 (s, 1H)、9.20 (s, 1H)、11.68 (s, 1H)

実施例 73

N-(4-ピペリジノ)-N'-[4-[(2-アセチル-4,5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 51 と同様の方法で表記化合物を合成した。

^1H -NMR (DMSO- d_6 , 270MHz) δ ppm : 1.76 (m, 4H) 、 2.59 (s, 3H) 、 3.00 (m, 8H) 、 3.60 (m, 1H) 、 3.82 (s, 6H) 、 6.54 (d, J = 7.3 Hz, 1H) 、 7.09 (d, J = 8.4 Hz, 2H) 、 7.27 (d, J = 8.9 Hz, 2H) 、 7.43 (s, 1H) 、 8.23 (s, 1H) 、 8.40 (s, 1H) 、 8.56 (s, 1H) 、 11.66 (s, 1H)

実施例 74

N-(3, 4, 5-トリメトキシフェニル)-N'-[4-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

^1H -NMR (DMSO- d_6 , 270MHz) δ ppm : 2.51 (s, 3H) 、 2.67 (t, J = 7.6 Hz, 2H) 、 2.89 (t, J = 7.6 Hz, 2H) 、 3.60 (s, 3H) 、 3.74 (s, 6H) 、 3.82 (s, 6H) 、 6.78 (s, 2H) 、 7.15 (d, J = 8.4 Hz, 2H) 、 7.35 (d, J = 8.4 Hz, 2H) 、 7.43 (s, 1H) 、 8.24 (s, 1H) 、 8.54 (s, 1H) 、 8.60 (s, 1H) 、 11.68 (s, 1H)

実施例 75

N-(4-ピリジル)-N'-[4-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

^1H -NMR (DMSO- d_6 , 270MHz) δ ppm : 2.60 (s, 3H) 、 2.68 (t, J = 7.3 Hz, 2H) 、 2.90 (t, J = 7.3 Hz, 2H) 、 3.82 (s, 6H) 、 7.19 (d, J = 8.4 Hz, 2H) 、 7.40 (m, 5H) 、 8.24 (s, 1H) 、 8.34 (d, J = 6.5 Hz, 2H) 、 8.83 (s, 1H) 、 9.11 (s, 1H) 、 11.66 (s, 1H)

実施例 76

N-(4-ピペリジノメチル)-N'-[4-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 51 と同様の方法で表記化合物を合成した。

^1H -NMR (DMSO- d_6 , 270MHz) δ ppm : 1.77 (m, 5H) 、 2.60 (s, 3H) 、 3.00 (m, 8H) 、 3.60 (m, 2H) 、 3.82 (s, 6H) 、 6.28 (t, J = 7.3 Hz, 1H) 、 7.09 (d, J = 8.0 Hz, 2H) 、 7.27 (d, J = 7.8 Hz, 2H) 、 7.43 (s, 1H) 、 8.23 (s, 1H) 、 8.44 (s, 1H) 、 11.66 (s, 1H)

実施例 77

N-フェニル-N'-[2-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.60 (s, 1H) 、 2.67 (t, J = 7.6 Hz, 2H) 、 2.89 (t, J = 7.6 Hz, 2H) 、 3.82 (s, 6H) 、 7.00 (m, 2H) 、 7.25 (m, 4H) 、 7.45 (m, 3H) 、 7.76 (d, J = 7.3 Hz, 1H) 、 8.02 (s, 1H) 、 8.25 (s, 1H) 、 8.99 (s, 1H) 、 11.71 (s, 1H)

実施例 78

N-(4-アミノフェニル)-N'-[2-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.60 (s, 3H) 、 2.70 (t, J = 7.6 Hz, 2H) 、 2.93 (t, J = 7.3 Hz, 2H) 、 3.82 (s, 6H) 、 4.76 (s, 2H) 、 6.49 (d, J = 8.6 Hz, 2H) 、 6.97 (dt, J = 1.1, 7.3 Hz, 2H) 、 7.14 (m, 4H) 、 7.43 (s, 1H) 、 7.80 (m, 2H) 、 8.25 (s, 1H) 、 8.50 (s, 1H) 、 11.70 (s, 1H)

実施例 79

N-(4-ニトロフェニル)-N'-[2-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.57 (s, 3H) 、 2.72 (t, J = 7.6 Hz, 2H) 、 2.96 (t, J = 7.6 Hz, 2H) 、 3.80 (s, 6H) 、 7.08 (dt, J = 0.8, 7.3 Hz, 1H) 、 7.20 (m, 2H) 、 7.29 (s, 1H) 、 7.68 (m, 3H) 、 8.19 (m, 3H) 、 8.34 (s, 1H) 、 9.77 (s, 1H) 、 11.70 (s, 1H)

実施例 80

N-フェニル-N'-[4-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルプロピル]フェニル]ウレア

実施例 65 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.90 (m, 2H) 、 2.38 (t, J = 7.3 Hz, 2H) 、

2.51 (t, J = 7.3 Hz, 2H)、2.62 (s, 3H)、3.82 (s, 6H)、6.95 (t, J = 7.3 Hz, 3H)、7.12 (d, J = 8.9 Hz, 2H)、7.26 (t, J = 7.8 Hz, 2H)、7.37 (d, J = 8.4 Hz, 2H)、7.44 (s, 1H)、7.45 (d, J = 8.4 Hz, 2H)、8.27 (s, 1H)、8.80 (s, 1H)、8.85 (s, 1H)、11.68 (s, 1H)

実施例 81

N-(4-アミノフェニル)-N'-[4-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルプロピル]フェニル]ウレア

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.89 (m, 2H)、2.37 (t, J = 7.3 Hz, 2H)、2.56 (t, J = 7.3 Hz, 2H)、2.62 (s, 3H)、3.82 (s, 6H)、4.76 (s, 2H)、6.49 (d, J = 7.3 Hz, 2H)、7.11 (m, 4H)、7.33 (d, J = 8.9 Hz, 2H)、7.44 (s, 1H)、8.13 (s, 1H)、8.27 (s, 1H)、8.43 (s, 1H)、11.68 (s, 1H)

実施例 82

N-(4-ニトロフェニル)-N'-[4-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルプロピル]フェニル]ウレア

実施例 65 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.91 (m, 2H)、2.38 (t, J = 7.3 Hz, 2H)、2.59 (t, J = 7.3 Hz, 2H)、2.61 (s, 3H)、3.82 (s, 6H)、7.15 (d, J = 8.4 Hz, 2H)、7.42 (m, 3H)、7.69 (d, J = 9.2 Hz, 2H)、8.18 (d, J = 9.1 Hz, 2H)、8.27 (s, 1H)、9.02 (s, 1H)、9.60 (s, 1H)、11.68 (s, 1H)

実施例 83

N-フェニル-N'-[3-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニル]フェニル]ウレア

実施例 65 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.70 (s, 3H)、3.87 (s, 3H)、3.90 (s, 3H)、6.99 (t, J = 7.3 Hz, 1H)、7.30 (t, J = 7.8 Hz, 2H)、7.51 (m, 5H)、7.75 (d, J = 7.3 Hz, 2H)、8.05 (s, 1H)、8.54 (s, 1H)、8.82 (s, 1H)、9.02 (s, 1H)、12.77 (s, 1H)

実施例 84

(4-ピリジルメチル) 14-[(2-アセチル-4, 5-ジメトキシフェニル) アミノカルボニルエチル]フェニル]カルバマート

実施例 64 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.59 (s, 1H)、2.66 (t, J = 7.6 Hz, 2H)、2.88 (t, J = 7.6 Hz, 2H)、3.82 (s, 6H)、5.19 (s, 2H)、7.17 (d, J = 8.4 Hz, 2H)、7.39 (m, 5H)、8.22 (s, 1H)、8.57 (dd, J = 1.4、4.3 Hz, 2H)、9.82 (s, 1H)、11.65 (s, 1H)

実施例 85

(4-ピリジルメチル) 14-[(2-アセチル-4, 5-ジメトキシフェニル) アミノカルボニルプロピル]フェニル]カルバマート

実施例 64 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 1.89 (m, 2H)、2.37 (t, J = 7.3 Hz, 2H)、2.56 (t, J = 7.3 Hz, 2H)、2.62 (s, 3H)、3.82 (s, 6H)、5.19 (s, 2H)、7.17 (d, J = 8.4 Hz, 2H)、7.39 (m, 5H)、8.22 (s, 1H)、8.57 (dd, J = 1.4、4.3 Hz, 2H)、9.82 (s, 1H)、11.65 (s, 1H)

実施例 86

(5-ヒドロキシペンチル) 14-[(2-アセチル-4, 5-ジメトキシフェニル) アミノカルボニルエチル]フェニル]カルバマート

0.04 g のトリホスゲン を 5 ml のテトラヒドロフラン (THF) に溶かしたところに、0.08 g の 5-ベンジルオキシペンチルアルコール、0.06 g のジイソプロピルエチルアミンを 10 ml の THF に溶かしたものを室温下ゆっくり滴下し、その後 60℃ で 1 時間攪拌した。そこに 0.07 g の 2-(4-アミノフェニル) カルボニルアミノエチル-4, 5-ジメトキシアセトフェノンと 30 mg のジメチルアミノピリジンを加え 69℃ で 2 時間攪拌した。反応液を水にあげジクロロメタン抽出を行い、有機層を無水硫酸マグネシウムで乾燥後、濃縮した。残さをシリカゲルカラムクロマトグラフィーによって精製し (溶出溶媒ジクロロメタン: メタノール = 100:1→40:1)、更にメタノールで洗浄後、乾燥し、0.13 g の淡黄色固体を得た。引き続き、得られた固体と 5%Pd/C 50 mg をメタノール 40 ml に加えたのちに水素雰囲気下、室温で 22 時間攪拌した。反応液を濾過、濾液を濃縮し、残査

をメタノールで洗浄、真空乾燥することで白色固体として、表記化合物を 40 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 1.42 (m, 4H) 、 1.61 (m, 2H) 、 2.51 (s, 1H) 、 2.63 (t, J = 7.3 Hz, 2H) 、 2.87 (t, J = 7.6 Hz, 2H) 、 3.40 (t, J = 5.7 Hz, 2H) 、 3.82 (s, 6H) 、 4.05 (t, J = 6.8 Hz, 2H) 、 4.37 (t, J = 5.1 Hz, 2H) 、 7.15 (d, J = 8.4 Hz, 2H) 、 7.39 (d, J = 8.4 Hz, 2H) 、 7.42 (s, 1H) 、 8.22 (s, 1H) 、 9.50 (s, 1H) 、 11.65 (s, 1H)

実施例 87

14-[(2-アセチル-4, 5-ジメトキシフェニル) アミノカルボニルエチル] フェニル] フェニルカルバマート

1.1 g の 3-(4-ヒドロキシフェニル) プロピオン酸を 30 ml の THF に溶かした後、0.82 g の無水酢酸、0.83 g のピリジンを加え室温で 16 時間攪拌した。溶媒を減圧留去し、残さに 5 %クエン酸を加え析出固体を濾別し濾物を水洗後真空乾燥することで 0.80 g の白色固体を得た。得られた固体と 10 ml の塩化チオニルを 30 ml のクロロホルムに加え、還流下 2 時間攪拌した。溶媒を減圧留去後 30 ml の THF に溶かした後に 0.59 g の 2-アミノ-4, 5-ジメトキシアセトフェノンと 0.61 g のトリエチルアミンを加えて還流下 3 時間攪拌した。溶媒を減圧留去後、残さと 0.20 g の水酸化ナトリウムを 10ml のメタノール、30ml の水の混合溶媒に加え室温で 16 時間攪拌した。溶媒を半分減圧留去し、塩酸で中和をした。析出固体を濾別しジクロロメタン・メタノール混合溶媒で洗浄、真空乾燥することで 0.56g の白色固体を得た。0.11 g の得られた固体、90 mg のフェニルイソシアナート、60 mg のトリエチルアミンを 10 ml の THF に加え室温下 16 時間攪拌した。析出固体を濾別することで白色固体として表記化合物を 58 mg 得た。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm : 2.60 (s, 1H) 、 2.74 (t, J = 7.3 Hz, 2H) 、 2.96 (t, J = 7.3 Hz, 2H) 、 3.82 (s, 6H) 、 7.04 (t, J = 7.3 Hz, 1H) 、 7.13 (d, J = 8.6 Hz, 2H) 、 7.31 (m, 4H) 、 7.43 (s, 1H) 、 7.49 (d, J = 7.8 Hz, 2H) 、 8.24 (s, 1H) 、 10.18 (s, 1H) 、 11.69 (s, 1H)

実施例 88

14-[(2-アセチル-4, 5-ジメトキシフェニル) アミノカルボニルエチル] フェニル]

4-ニトロフェニルカルバマート

実施例 87 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.77 (t, J = 7.3 Hz, 2H)、2.97 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、7.18 (d, J = 8.4 Hz, 2H)、7.33 (d, J = 8.9 Hz, 2H)、7.43 (s, 1H)、7.73 (d, J = 9.1 Hz, 2H)、8.24 (s, 1H)、8.25 (d, J = 9.1 Hz, 2H)、10.90 (s, 1H)、11.69 (s, 1H)

実施例 89

14-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]

4-アミノフェニルカルバマート

実施例 3 と同様の方法で合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.73 (t, J = 7.3 Hz, 2H)、2.95 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、4.85 (s, 2H)、6.50 (d, J = 8.1 Hz, 2H)、7.10 (m, 4H)、7.28 (d, J = 8.4 Hz, 2H)、7.43 (s, 1H)、8.24 (s, 1H)、9.66 (s, 1H)、11.69 (s, 1H)

実施例 90

14-[(2-アセチル-4, 5-ジメトキシフェニル)アミノカルボニルエチル]フェニル]

4-ピリジルカルバマート

実施例 87 と同様の方法で表記化合物を合成した。

¹H-NMR (DMSO-d₆, 270MHz) δ ppm: 2.60 (s, 3H)、2.65 (t, J = 7.3 Hz, 2H)、2.82 (t, J = 7.3 Hz, 2H)、3.82 (s, 6H)、7.19 (dd, J = 1.6, 5.9 Hz, 2H)、6.65 (d, J = 8.6 Hz, 2H)、7.03 (d, J = 8.4 Hz, 2H)、7.43 (s, 1H)、7.95 (d, J = 6.2 Hz, 2H)、8.40 (s, 1H)、9.16 (s, 1H)、11.65 (s, 1H)

試験例 1 PDGF-BB 刺激平滑筋細胞増殖抑制試験

ヒト冠血管平滑筋細胞(初代培養)を 96 穴 microplate (50000 cells/well) に撒き、24 時間培養した。細胞が集密的(confluent)になったことを確認した後、0.4 又は 2 μM の化合物を添加した無血清培地(20 ng/ml PDGF-BB を含む)で 24 時間培養した。³H-チミジン(1 μCi/well)を添加し、4 時間培養した。細胞をフィルターに回収した後、クレアゾール(Creasol)(4ml/vial)を添加し、

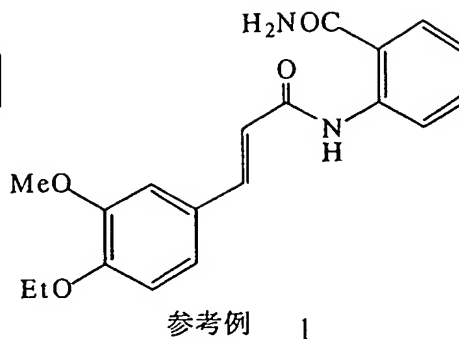
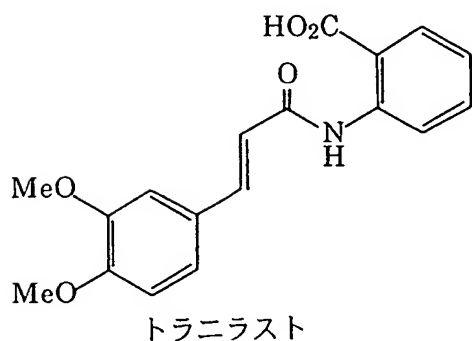
シンチレーションカウンターで ^3H -チミジンの取り込み量を測定した。なお、被験化合物の増殖抑制活性は、無処置群（PDGF-BB 不添加）に対し、50%阻害を示す濃度（ IC_{50} ）で表した。対照化合物としてトラニラスト及び参考例 1（WO 97/09301 に記載されている実施例 4、化合物 17 の化合物）をおいた。その結果は表 11 に示すとおりである。

表 11

| 化合物名 | PDGF-BB 刺激平滑筋 細胞増殖抑制 $\text{IC}_{50}(\mu\text{M})$ |
|--------|----------------------------------------------------------|
| 実施例 1 | 0.28 |
| 実施例 3 | 0.10 |
| 実施例 4 | 0.40 |
| 実施例 5 | 0.23 |
| 実施例 6 | 0.33 |
| 実施例 8 | 0.15 |
| 実施例 9 | 0.20 |
| 実施例 10 | 0.44 |
| 実施例 11 | 0.19 |
| 実施例 13 | 0.34 |
| 実施例 14 | 0.23 |
| 実施例 15 | 0.57 |
| 実施例 16 | 0.14 |
| 実施例 17 | 0.75 |
| 実施例 18 | 0.40 |
| 実施例 20 | 0.27 |
| 実施例 23 | 0.72 |
| 実施例 24 | 0.24 |
| 実施例 25 | 0.07 |
| 実施例 28 | 0.25 |
| 実施例 32 | 0.36 |
| 実施例 33 | 0.56 |
| 実施例 34 | 0.64 |
| 実施例 36 | 0.55 |
| 実施例 37 | 0.57 |
| 実施例 38 | 0.82 |

| | |
|--------|---------|
| 实施例 39 | 0.65 |
| 实施例 41 | 0.20 |
| 实施例 43 | 0.15 |
| 实施例 45 | 0.0001 |
| 实施例 46 | 0.057 |
| 实施例 47 | 0.011 |
| 实施例 48 | 0.008 |
| 实施例 49 | 0.015 |
| 实施例 50 | <0.08 |
| 实施例 53 | <0.0032 |
| 实施例 54 | 0.20 |
| 实施例 55 | 0.014 |
| 实施例 56 | 0.028 |
| 实施例 57 | 0.28 |
| 实施例 61 | 0.67 |
| 实施例 62 | 0.34 |
| 实施例 63 | 0.3 |
| 实施例 64 | <0.0032 |
| 实施例 66 | <0.016 |
| 实施例 67 | 0.020 |
| 实施例 68 | 0.026 |
| 实施例 69 | 0.061 |
| 实施例 70 | 0.045 |
| 实施例 71 | 0.061 |
| 实施例 72 | 0.039 |
| 实施例 74 | 0.31 |
| 实施例 75 | 0.16 |
| 实施例 77 | 0.20 |
| 实施例 80 | 0.05 |
| 实施例 81 | 0.06 |
| 实施例 82 | 0.002 |
| 实施例 83 | 0.31 |
| 实施例 84 | 0.044 |
| 实施例 85 | 0.079 |
| 实施例 86 | 0.49 |
| 实施例 87 | 0.083 |
| 实施例 88 | <0.016 |
| 实施例 89 | 0.31 |
| 实施例 91 | 0.22 |
| 实施例 92 | 0.39 |
| 实施例 93 | 0.011 |
| 实施例 94 | 0.037 |

| | |
|--------|------|
| 実施例 96 | 0.17 |
| トラニラスト | 24.5 |
| 参考例 1 | 6.3 |



試験例 2 PDGF-BB 刺激メサングウム細胞増殖抑制試験

ヒト・メサングウム細胞（初代培養）を 96 穴 microplate（27000 cells/well）に撒き、24 時間培養した。細胞が集密的（confluent）になったことを確認した後、0.016、0.08 又は 0.4 μ M の被験化合物を添加した無血清培地（20 ng/ml PDGF-BB を含む）で 24 時間培養した。 ^3H -チミジン（1 μ Ci/well）を添加し、4 時間培養した後、細胞をフィルターに回収し、シンチレーションカウンタで ^3H -チミジンの取り込み量を測定した。なお、被験化合物の増殖抑制活性は、PDGF-BB 刺激による ^3H -チミジンの取り込み量の増加（PDGF-BB 添加の control から PDGF-BB 未添加の control を差し引いた値）を 50% 阻害する濃度（ IC_{50} ）で表した。対照化合物としてトラニラストをおいた。その結果は表 12 に示すとおりである。

表 12

| 化合物名 | PDGF-BB 刺激メサングウム 細胞増殖抑制 IC ₅₀ (μM) |
|--------|-----------------------------------------------------|
| 実施例 1 | 0.81 |
| 実施例 3 | 1.72 |
| 実施例 5 | 0.87 |
| 実施例 6 | 0.33 |
| 実施例 8 | 0.95 |
| 実施例 9 | 2.3 |
| 実施例 16 | 0.29 |
| 実施例 17 | 1.80 |
| 実施例 18 | 1.27 |
| 実施例 24 | 0.58 |
| 実施例 25 | 0.17 |
| 実施例 39 | 0.51 |

トラニラスト (78% 阻害濃度) : 10 μM

試験例 3 ヒト臍帯静脈内皮細胞 (HUVEC) 増殖

Clonetics 社 (San Diego) より購入した HUVEC を EGM-2 培地で 5% CO₂ 存在下 37℃ で培養した。3 × 10³ cells/100 μl/well となるように HUVEC を U 底の 96 穴プレート (Falcon) に撻き込み、37℃ で 24 時間培養後、EGM-2 培地で 2 倍濃度に調製した化合物溶液 100 μl を添加し、更に 3 日間培養した。1 μCi/20 μl/well の [methyl-³H] thymidine (Amersham) を添加し、4 時間後に TopCount 用セルハーベスターにて 96 穴ガラスフィルター (UniFilter-GF/C, パッカードジャパン) に細胞をトラップした。シンチレーションカクテル (MICROSCINT-20, パッカードジャパン) を 20 μl/well となるように添加し、TopCount (パッカードジャパン) にて放射活性を測定し、各種化合物の細胞増殖阻害能を求めた。対照として、試験例 1 と同様に、トラニラスト、トラニラスト誘導体 (WO 97/09301 に記載されている実施例 4、化合物 17 の化合物) をおいた。その結果を表 13 に示す。

表 1 3

| 化合物名 | ヒト臍帯血管内皮細胞 増殖抑制 IC ₅₀ (μM) |
|--------|---------------------------------------------|
| 実施例 4 | 1. 2 |
| 実施例 6 | 3. 6 |
| 実施例 15 | 2. 1 |
| 実施例 18 | 0. 5 |
| 実施例 45 | 0. 0002 |
| 実施例 48 | 0. 05 |
| 実施例 53 | 0. 05 |
| 実施例 55 | 0. 28 |
| 実施例 64 | 0. 03 |
| 実施例 66 | 0. 05 |
| 実施例 67 | 0. 20 |
| 実施例 68 | 0. 0006 |
| 実施例 74 | 1. 3 |
| 実施例 75 | 0. 16 |
| 実施例 77 | 1. 7 |
| 実施例 82 | 0. 0008 |
| 実施例 93 | 0. 04 |
| 実施例 94 | 0. 88 |
| トラニラスト | 10. 0 |
| 参考例 1 | >10 |

製剤例

常法により次の組成からなる錠剤を作成した。

実施例 1 の化合物 100mg

ラクトース 120mg

馬れいしょ澱粉 30mg

ヒドロキシプロピルセルロース 5mg

カルボキシメチルセルロースナトリウム 7 mg

ステアリン酸マグネシウム 0. 5mg

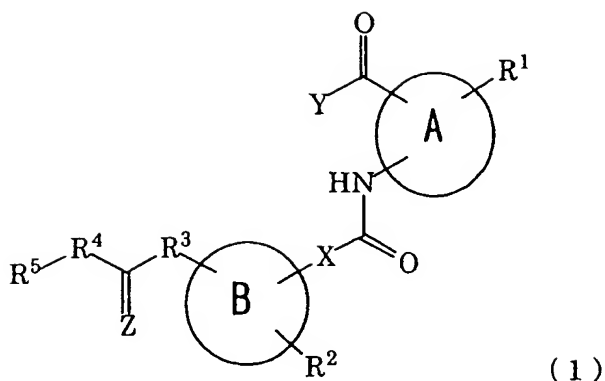
本明細書中で引用した全ての刊行物、特許及び特許出願をそのまま参考として
本明細書中にとり入れるものとする。

産業上の利用の可能性

本発明のジアリールアミド誘導体は、PDGF による細胞増殖に対する阻害作用を有し、動脈硬化症、血管再閉塞疾患、腎炎などの細胞増殖性疾患の予防又は治療に有用である。

請 求 の 範 囲

1. 一般式 (1) :



(式中、A はベンゼン環、ピリジン環、チオフェン環、フラン環及びナフタレン環から選択される芳香環であり；

COY で表される置換基と NHC(=O)X で表される置換基は隣接して存在し、該芳香環内でこれらの置換基が結合しているのは炭素原子であり；

X は炭素数 1～4 のアルキレン基、炭素数 1～4 のアルキレンオキシ基又は単結合であり；

Y は炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、水酸基及び N(R⁶) (R⁷) から選択され、R⁶ 及び R⁷ は同一でも異なってもよく、それぞれ水素原子、炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、炭素数 3～9 のシクロアルキル基、炭素数 4～9 のシクロアルキル-アルキル基、炭素数 5～8 のモルホリノ-N-アルコキシ基、炭素数 3～9 のアルケニル基、フェニル基、ピリジル基及びアラルキル基から選択され、該フェニル基及びピリジル基、並びにアラルキル基の芳香環は炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基及びハロゲン原子から選択される 1～3 個の置換基で置換されていてもよく；

R¹ は水素原子、ハロゲン原子、水酸基、炭素数 1～4 のアルキル基、炭素数 3～9 のシクロアルキル基、炭素数 4～9 のシクロアルキル-アルキル基、炭素数 1～4 のアルコキシ基、炭素数 3～9 のシクロアルキルオキシ基、炭素数 4～9 のシクロアルキル-アルコキシ基、アラルキルオキシ基、炭素数 1～4 のアシル基

及びニトロ基から選択され、A の任意の位置に 1～4 個存在しており、それぞれ同一でも異なってもよく、また R¹ が 2 個存在する場合には両者が一緒になって炭素数 1～4 のアルキレンジオキシ基を形成してもよく、但し A がベンゼン環の場合、R¹ は水素原子でなく；

B はベンゼン環、ピリジン環又はチオフェン環であり；

R² は水素原子、ハロゲン原子、水酸基、炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、炭素数 1～4 のアルキルチオ基、炭素数 1～4 のヒドロキシアルコキシ基、炭素数 3～9 のシクロアルキルオキシ基、炭素数 4～9 のシクロアルキル-アルコキシ基、アラルキルオキシ基、炭素数 1～4 のアシル基、シアノ基、炭素数 5～8 のモルホリノ-N-アルコキシ基、及び炭素数 1～4 のアルキル基でモノ又はジ置換されていてもよいアミノ基から選択される置換基であり、任意の位置に 1～4 個存在しており、それぞれ同一でも異なってもよく；

R³ 及び R⁴ は Y が炭素数 1～4 のアルキル基以外の場合、酸素原子又は NR⁸ であり、R⁸ はそれぞれ水素原子及び炭素数 1～4 のアルキル基から選択され、それぞれ同一でも異なってもよく、また Y が炭素数 1～4 のアルキル基の場合、R³ は酸素原子又は NR⁸、R⁴ は酸素原子、NR⁸ 又は単結合であり；

R⁵ は炭素数 1～8 のアルキル基、炭素数 2～4 のアルケニル基、炭素数 3～9 のシクロアルキル基、炭素数 4～9 のシクロアルキル-アルキル基、テトラヒドロピラニル基、アラルキル基、インダニル基、芳香族アシル基、フェニル基、ピリジル基、フリル基及びチエニル基から選択され、該アラルキル基、インダニル基及び芳香族アシル基の芳香環、フェニル基、ピリジル基、フリル基並びにチエニル基はハロゲン原子、水酸基、シアノ基、炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、炭素数 1～4 のアルキルチオ基、炭素数 2～5 のアルコキシカルボニル基、カルボキシ基、炭素数 1～4 のアシル基、芳香族アシル基、炭素数 1～4 のアシロキシ基、トリフルオロメチル基、フェニル基、フェノキシ基、フェニルチオ基、ピリジル基、モルホリノ基、アラルキルオキシ基、ニトロ基、メチルスルホニル基、アミノスルホニル基、及び炭素数 1～4 のアルキル基又は炭素数 1～4 のアシル基でモノ又はジ置換されていてもよいアミノ基から選択される 1～5 個の置換基を有していてもよく、また隣接する 2 個の置換基が両

者で炭素数 1～4 のアルキレンジオキシ基となって環を形成してもよく；

2 は酸素原子又はイオウ原子である。)

で表されるジアリールアミド誘導体又はその薬学的に許容される塩。

2. 一般式 (1) において、X が炭素数 1～4 のアルキレン基である請求の範囲第 1 項に記載の化合物。

3. 一般式 (1) において、X が単結合である請求の範囲第 1 項に記載の化合物。

4. 一般式 (1) において、A 及び B が同一でも異なってもよく、それぞれベンゼン環又はピリジン環である請求の範囲第 1 項に記載の化合物。

5. 一般式 (1) において、A 及び B がベンゼン環である請求の範囲第 1 項に記載の化合物。

6. 一般式 (1) において、Y が無置換のアミノ基、水酸基又は炭素数 1～4 のアルコキシ基である請求の範囲第 1 項に記載の化合物。

7. 一般式 (1) において、Y が炭素数 1～4 のアルキル基である請求の範囲第 1 項に記載の化合物。

8. 一般式 (1) において、R² が水素原子又は炭素数 1～4 のアルコキシ基である請求の範囲第 1 項に記載の化合物。

9. 一般式 (1) において、R⁵ がベンジル基、フェニル基、ピリジル基又はピリジルメチル基であり、該ベンジル基及びピリジルメチル基の芳香環、並びにフェニル基及びピリジル基はハロゲン原子、炭素数 1～4 のアルキル基、炭素数 1～4 のアルコキシ基、炭素数 2～5 のアルコキシカルボニル基、炭素数 1～4 のアシル基、トリフルオロメチル基、炭素数 1～4 のアルキルチオ基、及び炭素数 1～4 のアルキル基で置換されたアミノ基から選択される 1～5 個の置換基を有していてもよい請求の範囲第 1 項に記載の化合物。

10. 一般式 (1) において、R⁵ が炭素数 1～4 のアルキル基、炭素数 2～4 のアルケニル基又は炭素数 3～6 のシクロアルキル基である請求の範囲第 1 項に記載の化合物。

11. 一般式 (1) において、R³ 及び R⁴ が NH である請求の範囲第 1 項に記載の化合物。

12. 一般式 (1) において、R³ が NH、R⁴ が酸素原子である請求の範囲第 1 項

に記載の化合物。

13. 請求の範囲第1項に記載の化合物又はその薬学的に許容される塩を有効成分とする薬学的組成物。

14. 請求の範囲第1項に記載の化合物又はその薬学的に許容される塩を有効成分とする血管平滑筋細胞の異常増殖を原因とする疾患の予防又は治療に使用可能な薬学的組成物。

15. 請求の範囲第1項に記載の化合物又はその薬学的に許容される塩を有効成分とする経皮的冠動脈形成術もしくは冠動脈バイパス形成術後の再狭窄又はアテローム性動脈硬化症の予防又は治療に使用可能な薬学的組成物。

16. 請求の範囲第1項に記載の化合物又はその薬学的に許容される塩を有効成分とするメサンジウム細胞の異常増殖を原因とする疾患の予防又は治療に使用可能な薬学的組成物。

17. 請求の範囲第1項に記載の化合物又はその薬学的に許容される塩を有効成分とする血管内皮細胞又は表皮細胞の異常増殖を原因とする疾患の予防又は治療に使用可能な薬学的組成物。

18. 請求の範囲第1項に記載の化合物又はその薬学的に許容される塩を有効成分とする乾癬、糖尿病性網膜症又は老人性円板状黄斑部変性症の予防又は治療に使用可能な薬学的組成物。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/06667

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ C07C271/28, 271/60, 275/42, 335/22, C07D317/66, 307/66, 333/36, 307/52, 333/40, 295/12, 317/68, 319/18, C07D213/80, 307/68, 213/75, 211/58, 211/46, 213/75, 213/40, 309/14, A61K31/245, 31/36, 31/366, 31/341, A61K31/381, 31/351, 31/5375, 31/443, 31/4402, 31/445, 31/4406, 31/4409, 31/357, A61P43/00, 9/10, 3/10, 17/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ C07C271/28, 271/60, 275/42, 335/22, C07D317/66, 307/66, 333/36, 307/52, 333/40, 295/12, 317/68, 319/18, C07D213/80, 307/68, 213/75, 211/58, 211/46, 213/75, 213/40, 309/14, A61K31/245, 31/36, 31/366, 31/341, A61K31/381, 31/351, 31/5375, 31/443, 31/4402, 31/445, 31/4406, 31/4409, 31/357

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPLUS (STN)
REGISTRY (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| A | WO, 97/31900, A1 (KISSEI PHARMACEUTICAL CO., LTD.), 04 September, 1997 (04.09.97) & AU, 9718113, A | 1-18 |
| A | WO, 97/9301, A1 (KISSEI PHARMACEUTICAL CO., LTD.), 13 March, 1997 (13.03.97) & AU, 9668370, A & EP, 855837, A1 & NO, 9800955, A | 1-18 |
| A | WO, 97/29744, A1 (KISSEI PHARMACEUTICAL CO., LTD.), 21 August, 1997 (21.08.97) & AU, 9716713, A & CZ, 9802585, A3 & NO, 9803719, A & EP, 894496, A1 & CN, 1211182, A & BR, 9707514, A & HU, 9902191, A & KR, 99082523, A | 1-18 |
| A | JP, 9-3019, A (Terumo Corporation), 07 January, 1997 (07.01.97) (Family: none) | 1-18 |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
13 December, 2000 (13.12.00)

Date of mailing of the international search report
26 December, 2000 (26.12.00)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| A. 発明の属する分野の分類 (国際特許分類 (IPC)) Int. Cl ⁷ C07C271/28, 271/60, 275/42, 335/22, C07D317/66, 307/66, 333/36, 307/52, 333/40, 295/12, 317/68, 319/18, C07D213/80, 307/68, 213/75, 211/58, 211/46, 213/75, 213/40, 309/14, A61K31/245, 31/36, 31/366, 31/341, A61K31/381, 31/351, 31/5375, 31/443, 31/4402, 31/445, 31/4406, 31/4409, 31/357, A61P43/00, 9/10, 3/10, 17/00 | | |
| B. 調査を行った分野 調査を行った最小限資料 (国際特許分類 (IPC)) Int. Cl ⁷ C07C271/28, 271/60, 275/42, 335/22, C07D317/66, 307/66, 333/36, 307/52, 333/40, 295/12, 317/68, 319/18, C07D213/80, 307/68, 213/75, 211/58, 211/46, 213/75, 213/40, 309/14, A61K31/245, 31/36, 31/366, 31/341, A61K31/381, 31/351, 31/5375, 31/443, 31/4402, 31/445, 31/4406, 31/4409, 31/357 | | |
| 最小限資料以外の資料で調査を行った分野に含まれるもの | | |
| 国際調査で使用了電子データベース (データベースの名称、調査に使用した用語) CAPLUS (STN) REGISTRY (STN) | | |
| C. 関連すると認められる文献 | | |
| 引用文献の カテゴリー* | 引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 | 関連する 請求の範囲の番号 |
| A | WO, 97/31900, A1 (キッセイ薬品工業株式会社), 4. 9月. 1997 (04. 09. 97) &AU, 9718113, A | 1~18 |
| A | WO, 97/9301, A1 (キッセイ薬品工業株式会社), 13. 3月. 1997 (13. 03. 97) &AU, 9668370, A &EP, 855837, A1 &NO, 9800955, A | 1~18 |
| <input checked="" type="checkbox"/> C欄の続きにも文献が列挙されている。 <input type="checkbox"/> パテントファミリーに関する別紙を参照。 | | |
| * 引用文献のカテゴリー 「A」 特に関連のある文献ではなく、一般的技術水準を示すもの 「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの 「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す) 「O」 口頭による開示、使用、展示等に言及する文献 「P」 国際出願日前で、かつ優先権の主張の基礎となる出願日の後に公表された文献 「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの 「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの 「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの 「&」 同一パテントファミリー文献 | | |
| 国際調査を完了した日 13. 12. 00 | | 国際調査報告の発送日 26.12.00 |
| 国際調査機関の名称及びあて先 日本国特許庁 (ISA/J P) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号 | | 特許庁審査官 (権限のある職員) 星 野 紹 英 印 電話番号 03-3581-1101 内線 3443 |

| C (続き). 関連すると認められる文献 | | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 引用文献の カテゴリー* | 引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 | 関連する 請求の範囲の番号 |
| A | WO, 97/29744, A1 (キッセイ薬品工業株式会社), 21. 8月. 1997 (21. 08. 97) &AU, 9716713, A &CZ, 9802585, A3 &NO, 9803719, A &EP, 894496, A1 &CN, 1211182, A &BR, 9707514, A &HU, 9902191, A &KR, 99082523, A | 1~18 |
| A | JP, 9-3019, A (テルモ株式会社), 7. 1月. 1997 (07. 01. 97) (ファミリーなし) | 1~18 |